CONSTRUCTION NEWS

Engineering News-Record, May 14, 1925

Some of the Week's Large Projects

AMONG the announcements for the current week of proposals, bids desired and received and contracts awarded, are the following big jobs:

Proposed Work

Levee, Texas, State Reclamation Dept. plans 150 mi. levee, $3,000,000.

Club, Chicago, Ill., Chicago Community Club having sketches made, $3,000,000.

Irrigation, Texas, Medina Irrigation Project 1 voted $2,500,000 bonds for project.

Bridges, Chicago, Ill., Sanitary Dist. of Chicago plans 2 bridges, $2,200,000 each.

Church and Rectory, New York, N. Y., Church of Heavenly Rest had plans prepared, $2,000,000.

Cement plant, Dawson, Okla., Tulsa Cement Block Co. plans cement plant, $1,500,000.

Apartment, New York, N. Y., Courtland Bishop Corp. having plans prepared, $1,500,000.

Apartment Hotel, Drexel Hill, Pa., plans being prepared, $1,250,000.

Hotel, Los Angeles Calif., Sun Realty Co. having plans prepared, $1,000,000.

Bridge, North Carolina, State Hy. Comm. plans steel bridge, $1,000,000.

Apartment, Springfield, Mass., W. Lay, Inc., plans apartment, $1,000,000.

Plow Factory, Dallas, Tex., Atlanta Plow Factory plans factory, $1,000,000.

Bids Wanted On Big Jobs

College, Chicago, Ill., J. G. Gamble, New York City, taking bids for group of buildings for Northwestern University, $10,000,000.

Office and theatre, San Antonio, Tex., J. Oppenheimer takes bids after May 16, $1,500,000.

Bank and office, Los Angeles, Calif., Pacific Nat. Bank takes bids, $1,500,000.

Apartment, New York, N. Y., Garment Workers Union takes bids about June 1, $1,500,000.

Paving, Youngstown, O., Bd. Control soon takes bids on paving, $1,280,000.

Hospital Annex, Detroit, Mich., Carey & Esselstyn takes bids May 16, $1,000,000.

Large Contracts Let During Week

Office, New York, N. Y., Parlex Building Corp. will build 35 story building, $18,000,000.

Office, Brooklyn, N. Y., Bricken Constr. Co. will build 26 story building, $5,500,000.

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk or corresponding official.

Waterworks

PROPOSED WORK

Pa., Pittsburgh—Baltimore & Ohio R.R., Baltimore and Charles Sts. Baltimore, Md., plans 2 story, brick and steel water softening plant, 36th St., $20,000. P. Didier Maloney Bldg., Pittsburgh and H. A. Lane, B. & O. Bldg., Baltimore Md., engrs.

O., Mansfield—Plans 2,100 lin.ft. 4 in. c.i. mains in Arlington Spring Mill, Daisy and Aten Sts. H. C. Lynch, dir. Pub. Serv.-Safety.

Mich., Iron Mountain—H. Lindholm, city clk. soon takes bids 10,000 lin.ft. c.i. mains in 15 streets. $18,000-$20,000.

Wis., Beloit — Making plans extending c.i. mains in 19 streets. To exceed $15,000. G. E. Heebink, City Hall, engr.

Mo., La Plata—Election soon $100,000 bonds, for water system. W. B. Rollins & Co., 521 Railway Exch. Bldg., Kansas City, engrs.

Tex., Dilley—Terrell, Bartlett Engineers, Calcasieu Bldg., San Antonio, take bids about May 15, pumping plant, distribution system, tank and tower, well, electric generating and ice plant, etc., here, for City, J. F. Moffett, secy. $30,000. Noted Apr. 16.

Tex., Flatonia—See "Sewers."

Tex., Gonzalas — Gonzalas Water Co. plans extending mains, 81 fire hydrants, filtration and meter system, etc. $35,000. Address mayor.

Tex., Grand Prairie—Making plans new well, additional pumping equipment and 6 in. main extensions. $15,000. Kock & Fowler, 606 Central Bank Bldg., Dallas, engrs.

Tex., Littlefield—Voted $75,000 bonds for waterworks improvements. B. L. Coggill, mayor.

Okla., Billings—Voted $20,000 bonds, for new well, pump and extensions to the distribution system. Black & Veatch, Mutual Bldg., Kansas City, Mo., engrs.

Okla., Moore—Making preliminary plans new waterworks, incl. well, tank, mains and motor driven pump. $20,000. Engineer not selected. A. A. Moore, city clk.

Okla., Norman—Election May 19, $100,000 bonds, waterworks. F. Cobb, City Hall, engr.

N. M., Silver City—Voted $300,000 bonds, water system, incl. dam or reservoir, pumping equipment, etc. Engineer not selected.

Ore., Eugene—Making plans and takes bids about July 1, 6 mi. pipe line, head works on McKenzie River, 2 reservoirs, probably electrically driven pumping plant, etc. $600,000 bonds voted. Address C. A. McClain, supt. Water Dept.

Calif., Alhambra—Plans election to vote $150,000 bonds to finance extension to water system.

Calif., Compton — Plans mains, valves, hydrants, etc. in Bennett, Temple Sts., etc. $25,000 or more.

Calif., Hemet—Rejected proposal to issue $120,000 bonds, water-works improvements. Noted Mar. 26.

Calif., Inglewood — City, O. M. Duelke, clk., plans to purchase 1 deep well turbine centrifugal pump of enclosed line shaft, 1,125 g.p.m. capacity, against head 165 ft., operating at approximately 950 to 975 r.p.m., with 440 volt electric motor.

Calif., Newport Beach—Making surveys enlarging and reconstructing waterworks system, incl. 3 m.g. reservoir. $225,000. P. E. Kressly, H. W. Hellman Bldg., Los Angeles, engr.

Calif., San Rafael — Marin Municipal Water Dist. defeated $1,500,000 bond issue. Noted Aug. 14.

BIDS DESIRED

Massachusetts—May 21, by Metropolitan Dist. Comn., 1 Ashburton Pl., Boston, furnishing and laying 3,000 lin. ft. and laying 1,440 lin.ft. 48 in. c.i. mains in Somerville and Medford. $50,000 bonds. J. R. Rablin, 1 Ashburton Pl., Boston, engr.

Mass., Lawrence — June 1, by P. F. McNulty, dir. Engineering, City Hall, 108 x 332 ft. slow sand filter and appurtenances. Morris Knowles, Inc., 507 Westinghouse Bldg., Pittsburgh, Pa., engrs.; adv. E. N.-R. May 14.

N. Y., Brooklyn—May 22, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, mains in Ave. I, 9th and Hegeman Aves., 53rd and East 93rd Sts., here.

N. Y., Long Island City—May 19, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, mains in 43rd and 76th Rds., Constantia, Columbia, Luther and Pettit Places, 32nd, 33rd, 59th, 77th, East Williston, 83rd, 86th, 91st, Fosdick, Lafayette, Metropolitan, Mt. Olivet and 58th Aves., 246th, 247th, 257th, 258th, 259th, 260th, 261st, 262nd, 263rd, Moore, Meade, 87th, 148th, 155th, 160th, 161st, 162nd and 164th Sts., here.

N. Y., Long Island City—May 20, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, mains in Queens Blvd., here.

N. Y., Mt. Pleasant—June 1, at office F. L. Merritt, clk. Bd. Supervs. Westchester Co., Court House, White Plains, piping in pipe tunnels at Grasslands Hospital, here. J. F. Musselman, 101 Park Ave., New York City, consult. engr.; adv. E. N.-R. May 14.

Md., Baltimore—May 20, by Bd. Awards, copper pipe and brass service pipe fittings to Water Dept. V. B. Siems, City Hall, water engr.

Md., Towson—June 1, by Comrs. Baltimore Co., elevated steel water tank and steel tower. A. E. Walden, ch. engr.; adv. E. N.-R. May 14.

Fla., Okeechobee—June 1, by Mayor and City Council, H. H. DeYarman, pres., water extension improvements. F. E. Lawrence, Okeechobee, engr.; adv. E. N.-R. May 14.

O., Brooklyn Heights (Cleveland P. O.)—See "Sewers."

O., Cleveland—May 20, by Comrs. Cuyahoga Co., 6,300 ft. 6 and 12 in. c.i. mains in Lee Rd. and Lee-Harvard subdivision, Impvt. 552. To exceed $25,000. F. R. Williams, Court House, engr.

Wis., Sturtevant — May 20, by Village Clk., 12,000 ft. 6 in. and 3,000 ft. 8 in. Class "C" c.i. mains in various streets. Separate bids on furnishing above pipe. W. F. Reichardt, North Main St., Wauwatosa, engr.

Tex., Brownwood—City, c/o C. McIntosh, secy., taking bids concrete reservoir and aerator at pumping station. $25,000. Engineer not announced.

Ont., Islington—May 18, by N. MacNicol, engr. Etobicoke Twp., 2,340 lin.ft. 8 in. c.i. mains in Area 10, and 10,670 lin.ft. 6 in. c.i. mains in Area 11.

Ont., Woodstock—May 15, by J. G. Archibald, mgr. Pub. Utilities Comn., 7,420 lin. ft. 18 in. wood pipe mostly through swamp. $28,000. F. J. Ure & Son, Woodstock, engrs. Noted Apr. 9.

BIDS RECEIVED

O., Cleveland—Cuyahoga Co., 7,500 ft. 12 in. c.i. mains in Wallings Rd., Impvt. 86, from E. Cesa, 2462 Baldwin Rd., $37,463. Noted Apr. 23.

Ill., Hillsboro—O. M. Hampton, city clk., Apr. 27, 31,000 ft. 4- to 8-in. c.i. pipe, hydrants, valves, etc., from F. M. Foote, Jacksonville, $44,747. Engrs. est. $59,911. Noted Apr. 30.

Minn., Minneapolis—F. S. Gram, city purch. agt., five thousand ¾-in. American water meters from Crane Co., 400 3rd Ave. at $7.95 each.

CONTRACTS AWARDED

N. Y., Brooklyn — N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, mains in Autumn, Bedford Aves., etc. to Wataga Contg. Co., 308 Lenox Ave., New York City, $27,580. Noted Apr. 30.

N. Y., Brooklyn — N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, mains in 9th Ave., 53rd St., etc. to Wataga Contg. Co., 308 Lenox Ave., New York City, $62,444. Noted May 7.

N. Y., New York — N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., mains in Westchester, Esplanades, Allerton, Crosby Aves., etc., to Melrose Constr. Co., 103 East 125th St. $7,300. Noted May 7.

Waterworks (Continued)

Pa., Neville Island (mail McKees Rocks)—Ohio Valley Water Co., 523 Lincoln Ave., Bellevue, general contract 1 story, 34 x 62 ft. water softening plant and steel tank, etc., to Pitt Constr. Co., Fulton Bldg. Engrs. est. $80,000. Noted Mar. 12.

Pa., Phila.—Dept. Pub. Wks., Bureau Water, Contrs. 747 and 748, to J. J. McHugh, 1617 Race St., $30,107 and $76,192 respectively; Contr. 753, to C. L. Allison Co., 1611 Sansom St., $902; Contr. 755, to Dravo Equipment Co., 2200 Arch St., $1,166; Contr. 756, U. S. Cast Iron Pipe & Fdry. Co., Burlington, N. J., $21,260. Grand Total, $129,627. Noted May 7.

N. C., Wrightsville Beach (Sea Gate P. O.)—Town Bd. Comn., A. H. Northrop, city clk., 124 Princess St., Wilmington, steel tank and tower, here, to Pittsburgh-Des Moines Steel Co., Curry Bldg., Pittsburgh, Pa. Noted Apr. 23.

S. C., Spartanburg—Commissioners Pub. Wks., to A. Phelps & Sons, Knoxville, Ia., dam, penstock and power house, $399,583; to Tucker & Laxton, Inc., Realty Bldg., Charlotte, N. C., filter plant and coagulating basin $244,600, also laying pipe line from filter plant to storage reservoir near Boiling Springs; to Rome Contg. Co., Rome, Ga., reservoir, $68,600. Noted Mar. 5.

O., Cleveland—City, North Raw Water Main at Kirkland Pumping Station, 1,575 ft. 48 in. lock bar steel pipe, to D. Lowensohn, 8810 Woodland Ave., $83,473. Noted Apr. 9.

O., Indian Hill (mail Cincinnati) — Camargo Realty Co., 35,625 ft. 4- to 8-in. c.i. mains and 50,000 gal. capacity reservoir in water supply line, to Crumley, Jones & Crumley, 217 Hazen Bldg., Cincinnati, $67,427. Engrs. est. $75,040. Noted May 7.

Mich., Grand Rapids—See "Sewers."

Ill., Carbondale — Waterworks and distribution system, incl. tank on tower, filtration plant, mains, etc., to Hamilton-Hoffman Constr. Co., Carbondale, $374,000. Engrs. est. $375,000. Noted Apr. 16.

Ill., Charleston — Rebuilding waterworks pumping plant, incl. engines, pumps, etc., recently destroyed by fire, to Fairbanks-Morse & Co., Beloit, Wis. Engr. est. $100,000.

Wis., Kewaunee—J. W. Cain, city clk. 6 and 8 in. mains in 16 blocks, and 8 in. sewers in 15 blocks various streets, to W. O. Bahr, 1201 Franklin St., Manitowoc, $25,241.

Minn., Minneapolis—F. S. Gram, city purch. agt., steel pipe and fittings for filter plant (now under construction), 820 lin.ft. 54 in. ⅜ in. thick and 892 lin.ft. 54 in. ½ in. thick riveted steel, 4,498 lin.ft. 48 x ⅜ in. or 50 x ⅜ in. lock bar steel pipe, to Biggs Boiler Wks., Bank and Williams Sts., Akron, O., $85,000. Noted May 7.

Minn., Winona—Bd. Municipal Wks., City Hall, Contr. B, pumping station, to Sontag & Murtinger, Winona, $36,197; Contr. C, rein.-con. reservoir, to A. Larson & Co., 418½ South Barstow St., Eau Claire, Wis., $54,800; Contr. D, c.i. pipe and fittings, to U. S. Cast Iron Pipe & Fdry. Co., 122 South Michigan Ave., Chicago, Ill., $3,632; Contr. E, valves and sluice gates, to Ludlow Valve Mfg. Co., 209 South La Salle Ave., Chicago, Ill., $2,039; Contr. F, air compressors and air lift pump plant, to R. B. Whitacre & Co., 205 South Robert St., St. Paul, $26,755. Grand total $123,423. Noted Mar. 19.

Tex., Dallas—City, c/o M. G. Jones, secy., 75 fire hydrants, to Eddy Valve Co., 1315 Santa Fe Bldg., $5,424. Engrs. est. $6,000. Noted May 7.

Tex., Port Lavaca—Waterworks improvements, incl. mains, pumping equipment, casing, etc., to Elder-Walker Co., Houston Bldg., San Antonio, $63,000. Noted Apr. 17.

Okla., Tonkawa — For 10 air lift type wells, 2 compressors, 2 motors, 250,000 gal. settling basin and pump house, to Wieland Constr. Co., 1316 East 12th St., Oklahoma City, $54,700. Noted Mar. 26.

Ore., Portland—To Peerless Pacific Co., 2nd and Stark Sts., thirty thousand ¾ in. and one thousand 1 in. inverted key curb cocks (Mueller E-551 or equal) one thousand ¾ in. H pattern curb cocks (Mueller E-673 or equal) five thousand ¾ in. lead flange corporation cocks (Mueller E-102 or equal) and five thousand ¾ in. lead to ¾ in. iron pipe lead flange couplings (Mueller E-166 or equal) for Water Dept. $28,080.

Ore., Portland — City Purchasing Agent, 27,000 water meters, etc., to Oregon Gravel Co., Portland $31,590; twenty-two ¾ x ¾ in. and four thousand ¾ x ¾ in. water meters, to Gannon Meter Co., Seattle, Wash., $151,800 and $41,000 respectively; one thousand 1 x 1 in. water meters, to Neptune Meter Co., Seattle, Wash., $31,000. Grand total $255,390.

Ont., Toronto—York Twp., 40 Jarvis St., to Natl. Cast Iron Corp., foot Cherry St., 1,500 lengths 6 in. c.i. pipe $13.20 per length, and 200 lengths 12-in. pipe $34; to J. T. Hepburn Co., 18 Van Horne St., 70 hydrants $66.45 each; to Drummond McCall & Co., 373 Front St. E., fifty 6-in. valves $26.25 each; to Dominion Wheel & Foundries Co., 131 Eastern Ave., 70 covers $8.15 to $10.25 each, special castings $205,128; to Mueller Mfg. Co., Sarnia, ¾-in. main cocks $0.64, ¾-in. stop cocks $1.13, ¾-in. corporation unions $0.50, service boxes $1.70 each; to Canada Metal Co., Ltd., 39 Fraser Ave., lead pipe $0.125 per lb., pig lead $0.09.

Sewers

PROPOSED WORK

Mass., Boston—Plans sewerage works in Cambridge Court 10 in. to 20 in. earthern pipe, 1 ft. 6 in. x 2 ft. 8 in. concrete, 12 in. earthern surface drain, 1,870 ft. minor drain, etc. $109,276. J. A. Rourke, comr. Pub. Wks. Private plans.

Mass., West Roxbury (Boston P. O.)—Dept. Pub. Wks., Boston, plans sewers in Greaton Rd. Church, Landseer, LaGrange, Cornell and Winton Sts., here. $28,200. J. A. Rourke, comr.

N. J., West Caldwell (mail Caldwell)—Essex Co. (Newark) plans 3,000 ft. sewer in Westville Ave. $25,000, and 1,550 ft. sewer in Bradford Ave., Cedar Grove $10,000. W. A. Stickel, Newark, co. engr.

O., East Liverpool—Soon takes bids, sanitary sewers in Odgen, Sarah, Garfield, Laura and Riley Sts. $50,000. J. A. George, East Liverpool, engr.

O., Fairview—Making plans storm and sanitary sewers in 14 various streets. $250,000. E. H. Arnold, Rocky River, engr.

Mich., Dearborn—C. Kandt, Dearborn, made plans 4,883 ft. sewers in Dearborn-Warren Subdivision, incl. 530 ft. 12 in., 702 ft. 15 in., 853 ft. 18 in., 1,600 ft. 24 in. and 1,168 ft. 30 in. vitr. tile pipe. Hubbell, Hartgering & Roth, 2640 Buhl Bldg., Detroit, engrs.

Mich., Detroit—Made plans 1,974 ft. 15- to 18-in. Lateral Sewer 4316, 2,766 ft. 12- to 20-in. Lateral Sewer 4345, 485 ft. 10 in. Lateral Sewer 4349, 1,415 ft. 12- to 18-in. Lateral Sewer 4350, 489 ft. 12- to 15-in. Lateral 4352, 2,700 ft. 12- to 15-in. Lateral 4353, 7,372 ft. 12- to 24-in. crock and 411 ft. 3 ft. 6 in. and 318 ft. 3 ft. cylinder in Lateral 4355, 364 ft. 12 in. Lateral 4356, 4,102 ft. 12- to 24-in. Lateral 4357, 4,695 ft. 12- to 24-in. Lateral 4359, and 1,224 ft. 12- to 15-in. Lateral 4360. G. Jerome, city engr.

Minn., Bloomington—Rose & Harris, engrs., Natl. Life Bldg., Minneapolis, rejected bids, Apr. 20, 2,360 ft. 15- to 21-in. sewerage system, for Minneapolis Masonic Home Assn. $25,000. Noted Apr. 16.

Mo., La Plata—Election soon $50,000 bonds, for sewarage system. W. B. Rollins, 521 Railway Exch. Bldg., Kansas City, engrs.

Tex., Dallas—Voted $300,000 bonds, sanitary sewers in various streets. A. E. Kingsley, city engr. Noted Mar. 19.

Tex. Dallas—Voted $100,000 bonds for storm sewers in various streets. E. A. Kingsley, city engr. Noted Mar. 5.

Tex., Flatonia — Voted $70,000 bonds, sewer extensions and waterworks improvements. Municipal Eng. Co., 602 Praetorian Bldg., Dallas, consult. engrs. Noted Apr. 30.

Tex., Houston—Voted $250,000 bonds for sanitary sewers and $350,000 bonds for storm sewers in various streets. J. V. McVey, city engr. Noted Mar. 12.

Tex., Park Place (mail Houston)—See "Streets and Roads."

Tex., Yorktown—Plans complete sewerage system. $50,000. Municipal Eng. Co., Praetorian Bldg., Dallas, engrs.

Okla., Billings—Voted $35,000 bonds, for 5 mi. sanitary sewerage system, outfall sewers and disposal plant, Imhoff tank, etc. Black & Veatch, Mutual Bldg., Kansas City, Mo., engrs.

Colo., Greeley—Voted $140,000 bonds, for sewer and paving construction.

Wash., Hoquiam—Takes bids about May 25, sanitary sewerage system. $60,000.

Calif., Alhambra—Plans election $135,000 bonds for sewer extensions.

Calif., Long Beach—Making plans storm drain in area bounded by Pacific Electric Ry., Newport Beach Line rightway and the ocean, and California and Redondo Aves. To exceed $500,000. C. F. Smith, 504 City Hall, engr.

Calif., Los Angeles — Made plans Los Feliz Blvd. and Glen Eden St. Storm Drain, 2,200 ft., 6 and 63 in. circular concrete storm drains, 480 ft. 3 x 10 ft. rein.-con. box sewer, 6,600 22- to 45-in. rein.-con. 3,000 ft., 12- to 21-in. cement pipe; H. A. Van Norman, city engr. L. W. Armstrong, engr. for structures and storm drains cement, cast iron and vitr. sewers in Warwick Ave. between Navarro and Martin Sts., $75,000 or more.

Calif., Ontario—Making preliminary plans drainage project, etc., in Mountain and Magnolia Aves., $150,000. O. S. Roen, city supt.

Calif., Santa Rosa—Making preliminary plans activated sewage disposal plant, $50,000 or more. H. E. Elrod, Mills-Fraser Bldg., Santa Monica, engr.

BIDS DESIRED

Mass., Boston—May 20, by Dept. Pub. Wks., City Hall, Boston, sewerage works for Brook Sewer in private land, Lawrence and Blue Hill Aves., here. $37,500 bonds. J. A. Rourke, comr.

N. Y., Brooklyn — May 20, by J. A. Guider, boro pres., Boro Hall, sewers in Clarkson and Utica Aves., 51st and 52nd Sts.; storm and sanitary sewers in East 5th and 29th Sts.

N. Y., Lackawanna—June 5, at office N. A. Hegedus, city clk., City Hall, sewage disposal plant and pumping station. Frederick K. Wing Co., 1314 Prudential Bldg., Buffalo, engrs.; adv. E. N.-R. May 14.

N. J., Little Falls — June 1, by H. S. Briggs, clk. Twp. Com., Municipal Bldg., 16,900 ft. 6- to 12-in vitr. tile sewers, 3,400 ft. c.i. force main and pumping station.

Pa., Phila.—May 19, by Director Pub. Wks., Bureau Engineering, main sewer in Tioga St. 1,750, Erie Ave. $73,000; branch sewers in Wooddale Rd., American, B, Conlyn, Cottman, 8th, Franklin, 15th, Wascher, Musgrave, Robat, Sanger, Sedgwick, 20th, Fayette, Marshall and 6th Sts., Cottman, 18th, Girard, 79th, Woodbine, Wynnfield, 75th and Spencer Aves., Washington and Walnut Lanes.

Md., Salisbury — June 16, by Water & Sewer Comn., sanitary sewers, Contr. 6. F. H. Dryden, ch. engr.; adv. E. N.-R. May 14.

D. C., Wash.—May 28, by Dist. Comrs., 7,705 lin.ft. 10 in. to 7 ft. sewers; adv. E. N.-R. May 14.

O., Brooklyn Heights (Cleveland P. O.)—May 18, by Village, 1,600 ft. 12- to 20-in. vitr. tile sewers and 1,600 ft. 6 in. c.i. watermains in West 14th St. W. H. Evers Eng. Co., Engineers Bldg., Cleveland, engr.

Minn., Isanti—May 26 (extended date), by G. H. Chalmers, city clk., sanitary sewers in various streets, Schedule 1, 1,010 lin.ft. 8 in., 620 ft. 10 in., 5,150 ft. 12 in. pipe, 9 standard and 13 special manholes, etc.; Schedule 2, 9,350 lin.ft. 8 in., 2,400 ft. 10 in. 5,150 ft. 12 in. pipe, 37 standard and 9 special manholes, etc. $25,000 upward. Druar & Milinowski, 500 Globe Bldg., St. Paul, engrs. Noted Apr. 30.

Minn., Winona—May 25, by G. W. Hoffman, city clk., 7,208 ft. 12- to 42-in. concrete storm sewers, etc., in Main, Harriet and Kansas Sts. $37,915. E. E. Chadwick, city engr.

Tex., San Antonio—Taking bids 6 in. sewer through City Block 3087. $28,000. I. Ewig, city engr.

Calif., Beverly Hills — City Trustees taking bids sewers incl. 165 ft. 24 in. and 1,505 ft. 21 in. vitr. or cement outfall connections with city of Los Angeles, Salisbury, Bradshaw & Taylor, Mortgage Guarantee Bldg., Los Angeles, engrs. Noted Apr. 9.

BIDS RECEIVED

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro., Queens Subway Bldg., May 7, sewers in Horstman Aves., etc., from Welsh Bros. Contg. Co., 32 Queens St., A $1,656,849, B $1,651,759.

Pa., Phila.—Dept. Pub. Wks., Bureau Engineering, May 5, from O'Niell Co., 127 East Mermaid Lane, main sewer in Caster Ave., $142,821, branch sewer in Mermaid Lane, $29,245; from Vare Constr. Co., 1120 Race St., main sewer in Magee Ave. $70,116, branch sewer in Cheltham St. $21,141; from R. P. Ryan, 2923 West Lehigh Ave., main sewer in Summerdale Ave. $16,514, branch sewer in Balfour St. $34,364; from A. Di Sandro & Son, 3906 North 5th St., branch sewer in Bleigh St. $6,510, Frankford St. $8,829, Ryan St. $5,511, from A. Perna & Son, 752 South 10th St., Cadwallader St. $4,304, from A. J. Henderson, East Washington Lane and Reading Ry., Cedar St. $5,377, 20th St., $7,675, from J. J. McHugh, 1617 Race St., Coleman St. $9,630, Jackson St. $4,189, from A. Cascrato, 1602 Wharton St., Cottage St. $4,420, Princeton St. $5,882, from A. Frunzi, 513 High St., Crittenden St. $8,816, from E. Pascuzzi Co., 601 Lincoln St., Erie St. $13,895, from P. Ventresco, 6225 Chew St., Frankford St. $14,192, from Vattieri & Pontarelli, 523 Rising Sun Lane, Huntington Park Ave. $8,000, N St. $3,452, Sedgley St. $14,633, Towesdale St. $19,064, from J. Hastie, 601 East Hilton St., Jackson St. $6,227, from A. Bonitatibus, 300 West Mt. Pleasant Ave., Rutland St. $5,494, from A. Mattia, 310 West 65th St., Wakeling St. $2,812, from E. F. Bennis, 825 East

Sewers (Continued)

Washington Lane, Wayne St. $6,986. Noted Apr. 30.

O., Cleveland—City, 1,275 ft. 3c or 4c concrete segmental block pipe, 10,020 ft. 12- to 24-in. tile sewer in (1) Rosena Ave. (2) East 85th St. (3) Bartter Ave. (4) Attica Rd. (5) West 106th St. (6) Schel Ave. (7) Kewanee Ave. (8) Briggs Rd. (9) East 171st St., from H. B. Ante Constr. Co., Ulmer Bldg., (1) $9,882 (9) concrete $12,100; from Salem & George Bros., Erie Bldg., (2) $3,296 (3) $3,371; from Langohan Constr. Co., Cleveland, (4) $6,762; from A. J. Galvin, Newman Stern Bldg., (5) $6,923 (8) $6,613; from Hadded & Karial, 415 Eagle Ave., (6) $6,268; from Kassaouff & Co., 3182 West 25th St., (7) $16,497; from N. Carroccio, 14109 Benwood Ave. (9) brick $15,980. Noted Apr. 9.

Mich., Detroit—From Detroit Drainage Constr. Co., 5099 LeMay Ave., 2,748 ft. 12- 18-in. lateral Sewer 4329 $11,000, 8,060 ft. 12- to 30-in. lateral Sewer 4334, $18,737, 3,649 ft. 12- to 24-in. lateral Sewer 4338 $7,800; from Western Constr. Co., 1208 Ford Bldg., 2,083 ft. 12- to 24-in. lateral Sewer 4321 $5,392, 2,317 ft. 15- to 24-in. lateral Sewer 4331 $6,352; from, J. and A. Ponterelli, 2137 Pierce Ave., 4,106 ft. 12- to 24-in. lateral Sewer 4344, $8,500, 1,397 ft. 12- to 18-in. lateral Sewer 4348 $2,750; from Lincoln Constr. Co., Penobscot Bldg., 349 ft. 12- to 15-in. lateral Sewer 4337 $1,250; from S. Fattore, 2201 St. Joseph Ave., 7,568 ft. 12- to 24-in. lateral Sewer 4351 $16,200; from Waterway Constr. Co., Detroit, 1,483 ft. 12- to 18-in. lateral Sewer 4342 $2,949. Noted Apr. 23.

Mich., Detroit—Dept. Pub. Wks., from W. Blanck Co., 40 Seven Mile Rd., 3,273 ft. 3 ft. 6 in. to 6 ft. 3 in. cylinder sewer in Livernois-Curtis Arm, Sect. 1, Six Miles Rd. Sewer $63,195, 5,743 ft. 3 ft. 6 in. to 4 ft. 6 in. Livernois-Curtis Ave. Arm, Sect. 2, Six Mile Rd. Sewer $86,662; from Detroit Drainage Constr. Co., 5099 Lemay Ave., 1,970 ft. 2 ft. 8 in. x 4 ft. 14th Ave. Arm Sewer $18,306, 3,353 ft. 3 ft. 9 in. to 5 ft. 6 in. Waveney Ave. Arm, Bedford Rd. Sewer $36,320; from S. Healy, 6466 Epworth Blvd. 2,820 ft. 3 ft. to 5 ft. cylinder in Waveney Ave. Arm of Ashland Ave. Sewer $31,654.

CONTRACTS AWARDED

Mass., Boston — Dept. Pub. Wks., City Hall, sewerage works in Cambridge and Court Sts., to C. and R. Constr. Co., 67 Harrison St. E., West Roxbury, $81.200. Noted Apr. 30.

Mass., Newton (Boston P. O.) — City, 4,350 ft. sewers in Carver, Brewster and Niles Rds., Mayflower Terrace, Orchard Ave. and private land, to V. Barletta, 10 Whipple Ave., West Roxbury, $22,550. Engrs. est. $25,000.

Conn., Norwalk—Vitr. sewers in Connecticut and Taylor Aves., to P. Longhi & Sons, 43 Center St., Torrington. Engrs. est. $25,000. Noted Apr. 16.

Conn., Wallingford—For 5 filter beds, 50 x 60 x 25 concrete tank, and sewage disposal plant, etc., to New York Sewage Disposal Co., Grand Central Terminal, New York City, $34,557. Engrs. est. $25,000. Noted May 7.

Md., Baltimore — Bd. Awards, storm sewers in Sewer Dist. H-9, Water Contr. 85, to Catalano & Picora Constr. Co., Knickerbocker Bldg., $186,248. Noted May 7.

Ala., Birmingham—Excavating and main sewer line in 10 blocks 20th St., to W. Love, Empire Bldg., $123,622. Engrs. est. $126,375.

O., Cleveland—City, 775 ft. 12- to 24-in. vitr. tile sewer in Archmere Ave., and 445 ft. brick sewer in Attica Ave., to Langahan Constr. Co., Marshall Bldg., $2,663 and $7,031 respectively; 545 ft. 12 in. vitr. tile sewer in Bartter Ave., and 560 ft. in West 146th St., to Sprague & Burkhardt, 11811 Browning Ave., $3,371 and $3,435 respectively; 270 ft. 12 in. vitr. tile in Bosworth Rd., to W. McDowell & Son, 10311 Miles Ave., $1,537; 1,530 ft. 12 in. vitr. tile in Briggs Ave. and 650 ft. 3c. concrete sewer in West 106th St., to A. J. Galvin, Hunkin-Conkey Bldg., $6,613 and $6,946 respectively; 4,925 ft. 12 in. vitr. tile sewer in Kewanee Ave., and 960 ft. 30 in. segmental block sewer in East 171st St., to Kassouff & Co., 3182 West 25th St., $16,497 and $16,708 respectively. Grand total $64,801. Noted May 14.

O., Minerva—Sanitary sewer in Bremen and residential section of city, also enlarging disposal plant, to F. George, Youngstown, $94,510 and $29,827 respectively. Engrs. est. $100,000 and $35,000 respectively. Noted Apr. 9.

Mich., Grand Rapids — Constructing sewers in Neland Ave. and mains in Capital Ave., to P. L. Vander Veen, Grand Rapids, $16,292 and $11,163 respectively.

Ill., East St. Louis—For 8- to 24-in. vitr. clay sewers in Gertrude Pl. Sewer Dist., and 8 in. rein.-con. paving 44th St., to Keeley Bros. Constr. Co., 2100 State Street, $23,720 and $16,300 respectively. Noted Mar. 19.

Tex., Saspamco—San Antonio Sewer Pipe Wks., Bedell Bldg., San Antonio, 4½ mi. standard gage railway, 50 lb. steel, grading, etc. from companys factory to new clay pit, here, to N. A. Saigh Co., Gibbs Bldg., San Antonio, $29,000.

Calif., Glendale—Vitr. intercepting outfall sewer in Sect. 8, to J. C. Hickey, 320 Palm St., Alhambra, $61,185. Noted Apr. 16.

Calif., Los Angeles—City, Sect. 24 North Outfall Sewer, brick-concrete type, to M. G. Brkich Co., Douglas Bldg., $210,500.

Calif., Los Angeles—Los Angeles Co., Impvt. 298, sewer in Compton Ave., to M. Miller, 208 West 2nd St. $43,545.

Calif., San Fernando—To M. Matick, 1436 West 15th St., Los Angeles, outfall sewer and disposal works. $39,181. Noted Apr. 9.

Calif., San Francisco — City and San Francisco Co., rein.-con. sewer in 30th Ave. between Kirkham St. and Lincoln Way, and Kirkham St. between 26th and 30th Aves., to L. J. Cohn, 110 Sutter St., $46,199. Noted Apr. 9.

Ont., Toronto—York Twp., 40 Jarvis St., 12 in. vitr. tile sewers to G. Hunter, Box 588, London, in Glenholme Ave. $5,288, Earlsdale Ave. and Holland Park $10,893, Cedric and Ravina Aves. $7,159, Ossington Ave. and Mulberry Crescent $4,371, to Mitchell Constr. Co., Elmwood Ave., London, Ashbury and Amherst Aves. $3,505. Hanson Rd. and Jesmond Ave. $3,494.

Ont., Toronto—York Twp., 40 Jarvis St., will bulld 5,500 lin.ft. 8 to 24-in. vitr. tile and 24 in. concrete sewers in Eglinton, Nairn and Caledonia Aves., by day labor; to J. Coles, 54 Earlsdale Ave., 7,500 lin.ft. 8 in. vitr. tile sanitary and storm sewers in Dundurn, Falwyn, McNab, Ossington Aves., and Vimy Ridge, $20,636, Conway Ave. $3,878; to Natl. Constr. Co., 9 Garnock Ave., in Bathurst St., Raglan and Vaughan Rds., $7,237.

Waste Disposal

PROPOSED WORK

Tex., Dallas—Voted $100,000 bonds for incinerators. E. A. Kingsley, city engr. Noted Mar. 19.

CONTRACTS AWARDED

Mass., Lynn—Rein.-con. and brick incinerator plant, to Decarie Incinerator Co., 342 Madison Ave., New York City. About $148,900. Noted Feb. 12.

Md., Baltimore—Mayor and City Council, City Hall, 2 story, 55 x 195 ft., rein.-con. waste disposal plant, Ostend, Russell and Denver Sts., to DeCou & Davis, 6 East Mulberry St., $101,750.

Tex., Houston — For 4 incinerators, 40 tons capacity each, to Natl. Incinerator Co., Houston, $67,940. Engrs. est. $70,000. Noted Mar. 5.

Bridges

PROPOSED WORK

N. Y., West Seneca—Plans new bridge over Cazenovia Creek, Mill Rd. $40,000. F. C. Munn, town clk.

North Carolina—State Hy. Comn., Raleigh, plans steel bridge over Cape Fear River on Project 355, New Hanover Co. $1,000,000. C. M. Upham, ch. engr.

Ala., Birmingham — City, Louisville & Nashville R.R. Co., 9th St. and Bway., Louisville, Ky., W. H. Courtnay, ch. engr., Southern R.R. Co., 1300 Pennsylvania Ave., Wash., D. C., B. Herman, ch. engr., and Seaboard Air Line R.R. Co., President Continental Bldg., Baltimore, Md., W. D. Faucett, ch. engr., plan rein.-con. viaduct over railroad tracks, at 24th St. $330,000.

Tennessee — Dept. Hys. & Pub. Wks., Nashville, takes bids probably in June, concrete and steel span bridge over Conasauga River, Polk Co. J. G. Creveling, highway comr. Noted Mar. 12.

Ill., Chicago—Sanitary Dist. of Chicago, 900 South Michigan Ave., plans 2 bridges, 1 at Harlem Ave. and other at Crawford Ave. $2,200,000 each. E. J. Kelley, 900 South Michigan Ave., ch. engr.

Wis., Manitowoc — A. H. Zander, city clk., making plans double leaf bascule bridge, 100 ft. channel opening, 50 ft. over Manitowoc River at 8th St. $200,000. Klug & Smith, 69 Wisconsin St., Milwaukee, engr. Noted Mar. 5.

Mich., Bellaire—See "Buildings—Industrial."

Kan., Abilene—Dickinson Co. making preliminary plans one 30 ft. and one 25 ft. deck girder, one 50 ft. Marsh arch and one 60 ft. steel truss bridges, all with 20 ft. roadway, on Federal Aid Project 29-E. C. Nicholay, co. engr.

Kan., Wichita—Sedgwick Co. takes bids about June 30 or July 30, 450 ft. rein.-con. and steel bridge. M. Roseberry, Court House, engr.

Tex., Anson—See "Streets and Roads."

Tex., Bellville—See "Streets and Roads."

Tex., New Braunfels—Making plans concrete and steel bridge across Guadalupe River. $35,000. Terrell Bartlett Engineers, Calcasieu Bldg., San Antonio, engrs.

Okla., Chandler—Plans election $25,000 bonds, repairing or rebuilding bridge at 9th St. Benham Eng. Co., Gumbel Bldg., Kansas City, Mo., engrs.

Oregon—State Hy. Comn., Salem, about May 27, takes bids 340 ft. single span bridge across Crooked River Canyon on Dalles-California Highway, 350 ft. above river bed. $180,000. R. Klein, Salem, highway engr.

BIDS DESIRED

N. H., Nashua—May 25th, by Bd. Pub. Wks. rein.-con. arch bridge, two 57 ft. spans 106 ft. wide, J. R. Worcester & Co., 79 Milk St., Boston, Mass., consult. engr.; G. P. Winn, city engr. Noted Dec. 25.

Mass., Leicester—May 19, by Dept. Pub. Wks., State House, Boston, rein.-con. and bituminous macadam paving 270 ft. highway, and constructing extension bridge, here. W. F. Williams, comr.

Mass., Marshfield — May 19, by Comrs. Plymouth Co., at office of Fay, Spofford & Thorndike, engrs., 200 Devonshire St., Boston, rein.-con. bridge with regulating equipment for Waterway in Green Harbor Dike, here; adv. E. N.-R. May 14.

Conn., New Haven—May 26, at Room 18 City Hall, 3 span 217 ft. steel girder bridge over Mill River, at Willow St. E. S. Nettleton, city engr.; adv. E. N.-R. May 14.

New Jersey—May 25, by State Hy. Dept., Trenton, rein.-con. slab bridge over Fishing Creek, Route 15, Sect. 8, Middle Twp., Cape May Co.; and concrete encased steel bridge over West Creek, Route 15, Cumberland and Cape May Counties. A. L. Grover, secy.; adv. E. N.-R. May 14.

Maryland — May 19, by State Roads Comn., Baltimore, bridge over Evitts Creek, Contr. A-38; bridge over Flintstone Creek at Flintstone, Contr. A-37; and one over Town Creek at Gilpin, Contr. A-36, all Allegany Co. J. N. Mackall, chn.; adv. E. N.-R. May 14.

Virginia—See "Streets and Roads."

South Carolina—May 20, at office J. M. Martin, engr., Florence, Lynches River Bridge and approaches, etc. on State Route 3, Lee and Florence Counties 12,000 lin.ft. treated piling, 3,822 sq.yd. rock asphalt paving, 250 tons rip rap, 119,564 cu.yd. common excav., 5,816 cu.yd. sand clay surfacing, 20,847 lb. reinforcing, etc.

S. C., Lancaster — May 19, by Comrs. Lancaster Co. J. R. Faile, clk., 16 rein.-con. deck girder bridges and 8 rein.-con box culverts, etc. Carolina Eng. Co., 917-919 Johnston Bldg., Charlotte, N. C., engrs. G. H. Bishop, consult. engr.

Ohio — May 22, by Dept. Highways & Pub. Wks., Columbus, bridge and approaches on Sect. A Youngstown-Conneaut Rd., Ashtabula Co., $31,011; concrete bridge on Sect. F Delaware-Newark Rd., Licking Co., $15,049; bridge on Sect. E-Bridge, Canton-Canal Dover Rd., Tuscarawas Co. $37,510. A. V. Donagheys, div. engr.

O., Dayton—G. F. Maker, dir. Pub. Serv., City Hall, May 1 Summit St. Bridge over Wolf Creek, from E. S. Smith, Indianapolis, Ind., $88,080. Noted Apr. 9.

Wisconsin—See "Streets and Roads."

Ia., Decorah — May 19, by Clerk Winneshek Co. at office N. Nelson aud., one double 90 x 16 ft. and one 50 x 18 ft. pony truss bridge on concrete piers and abutments, one 110 x 16 ft. high truss bridge on two old abutments, and repairing double 80 ft. concrete arch bridge, etc. $25,000. F. W. Arneson, Decorah, engr.

Ia., Marion—Linn Co., pony truss bridge over Martindale Creek, on Alburnett Rd., to Waterloo Constr. Co., Waterloo, $14,447; 160 x 20 ft. high truss bridge over Abbey Creek, to H. O. Graham Co., 807 Security Bldg., Cedar Rapids, $20,440; small bridges and culverts on Lincoln Highway and Red Ball Highway, to P. Jayne, 116 16th Ave. W., Cedar Rapids, $16,556. Grand total $51,443. Noted Mar. 19.

Ia., Webster City—Hamilton Co., 3 steel and concrete bridges and 7 concrete culverts in various sections, to A. Swanson & Co., Webster City, $28,000.

Kan., Iola—See "Streets and Roads."

Missouri—May 22, by State Hy. Dept., Jefferson City, two 10 ft. rein.-con. slab spans over Bailey Branch, two 12 ft. rein.-con. slab spans, etc. over Long Branch, two 12 ft. rein.-con. slab spans, etc. over Birdsong Creek, two 12 ft. rein.-con. slab spans, etc. over Dry Fork Branch, two 12 ft. rein.-con. slab spans on Sta. 44 plus 56,

Bridges (Continued)

two 20 ft. rein.-con. slab spans, etc. over Sappington Branch, all in Maniteau Co., two 12 ft. rein.-con. slab spans, etc. over Norwegian Creek, 60 ft. steel truss span, etc. over Little Fabius Creek, 45 ft. rein.-con. deck girder span, etc. over Coon Creek, all in Knox Co.; two 80 ft. steel truss and four 25 ft. rein.-con. deck girder spans, etc. over middle fork South Fabius Creek, 80 ft. steel truss span, etc. over Tabin Creek, all in Scotland Co.; 45 ft. rein.-con. deck girder and six 20 ft. rein.-con. slab spans, etc. over Silver Fork Creek, 40 ft. rein.-con. deck girder span, etc. over Grindstone Creek, Boone Co.; 120 ft. and two 80 ft. steel truss spans, etc. over Saline Creek, Miller Co.; 55 ft. steel truss span, etc. over Chicago, Rock Island & Pacific R.R., Franklin Co.; three 45 ft. rein.-con. deck girder spans, etc. over South River, Marion Co.; two 20 ft. rein.-con. slab spans, etc. over stream, Audrian Co.; three 20 ft. rein.-con. slab spans, etc. over Little Beaver Creek, Phelps Co.; five 80 ft. steel truss spans, etc. over east fork Black River, Reynolds Co., B. H. Piepmeier, ch. engr.

Tex., Anderson—See "Streets and Roads."

Tex., Austin—City, W. D. Yett, mayor, taking bids 3 span 300 ft. bridge across Barton Springs River. $35,000. Terrell Bartlett Engineers, 612 Calcasieu Bldg., San Antonio, engrs.

Washington — May 26, by State Hy. Comn., Olympia, two 20 ft. rein.-con. slab span bridge on State Rd. 2, between Cashmere and Dryden, Chelan Co.; one 45 ft. rein.-con. T-beam bridge over Moses Coulee, on State Rd. 10 between Columbia River Sta. and Rock Island, Douglas Co.; 3 rein.-con. bridges, one 30 ft. T-beam over Kiona Creek, one 20 ft. arch culvert over Oliver Creek and one 16 ft. slab bridge over Peters Creek, on State Rd. 5 between Kosmos and Randle, Lewis Co. J. Allen, highway engr.

Washington—June 9, by State Hy. Comn., Olympia, 4 Everett-Marysville bridges on State Rd., Snohomish Co. 1. J. W. Hoover, highway engr.; adv. E. N.-R. May 14.

BIDS RECEIVED

Pennsylvania — State Hy. Dept., Harrisburg bridge on Route 241, Wyoming Co., from Whittaker & Diehl Co., Union Trust Bldg., Harrisburg, $82,027.

CONTRACTS AWARDED

Ohio—See "Streets and Roads."

Illinois—Dept. Pub. Wks. & Buildings, Div. Highways, Springfield, one 73 ft. and two 82 ft. steel span superstructure on Route 7, Sect. F-2, Will Co., and 120 ft. steel superstructure, Route 29, Sect. U-1, Bureau Co., to St. Louis Structural Steel Co., Bank of Commerce Bldg., St. Louis, Mo., $10,558 and $8,528 respectively; concrete substructure two 150 ft. spans and ten 50 ft. span concrete girder bridges, Route 9, Sect. 39-D Fulton Co., to Hurtgen & Sayer, St. Louis, Mo., $57,770; two 20 ft. span concrete slab bridge and one 14 ft. slab extension, Route 27, Sect. 15-B, Carroll Co., to M. Small, Lincoln, $8,015; one 120 ft. concrete substructure and five 30 ft. concrete girder approaches, also five 30 ft. concrete girder spans, Route 29, Sect. U, Bureau Co., to A. P. Munsen, Marion, Ia., $62,837; one 30 ft., one 40 ft. and one 60 ft. concrete girder bridges, Route 45, Sect. 1-B, La Salle Co., to Hartman-Clark Bros., Dwight, $16,866; grand total $164,774. Noted Dec. 31 and Apr. 2.

Wis., Fond du Lac—See "Streets and Roads."

Ia., Carroll—Carroll Co., one 100 ft. and two 70 ft. span rein.-con. and steel pony truss bridges, 18 ft. roadway over Coon River, to Lundgren-Reis Co., 65 College St., Des Moines, $20,670. Noted Apr. 16.

South Dakota — State Hy. Comn., Pierre **(F. A. P. means Federal Aid Project)** to Missouri Valley Bridge Co., 4th and Walnut Sts., Leavenworth, Kan., bridge on F. A. P. 165-C, Brule Co., 70,625 lb. reinforcing and 151,865 lb. structural steel, etc., $32,421; to Diamond Eng. Co., Grand Island, Neb., bridge on F. A. P. 185-E, Lyman Co., 20,196 lb. reinforcing and 82,310 lb. structural steel, etc. $11,558, bridge on F. A. P. 189-B, Charles Mix Co., 15,874 lb. reinforcing and 58,707 lb. structural steel, $9,377; to Aberdeen Constr Co., Aberdeen, bridge on F. A. P. 171-E, McPhearson Co., 7,943 lb. reinforcing, etc., $2,365; to W. Bonesteel, Wagner, bridge on F. A. P. 181-B, Potter Co., 33,878 lb. reinforcing and 105,727 lb. structural steel, etc., $18,870. Grand total $74,591.

Railways

PROPOSED WORK

Texas—City of Dallas, c/o Mayor, plans raising Texas & Pacific Railroad tracks above water level at new reservoir, by embankment and trestle. $50,000. E. H. Kingsley, city engr.

Texas — City of San Antonio making surveys 1½ to 2 mi. car line from city limits to Exposition Grounds, in San Antonio. $30,000. W. B. Tuttle, Terrell Bldg., mgr. Private plans.

Oklahoma — Chicago, Rock Island & Pacific R.R. Co., La Salle Sta., Chicago, making surveys 4 mi. track from Okeene to Homestead, here. $200,000. C. A. Morse, ch. engr.

BIDS RECEIVED

New Jersey—North Jersey Dist. Water Comn., May 7, relocation of Erie R.R. at Wanaque, from Winston & Co., 342 Madison Ave., New York City, $797,680.

CONTRACTS AWARDED

Texas—Atchison, Topeka & Santa Fe R.R. Co., 80 East Jackson St., Chicago, Ill., 63 mi. standard gage line in Lubbock and Cochran Counties, to Sharp & Fellows, Central Bldg., Los Angles., approximately $300,000. Noted Mar. 19.

Excavation, Drainage, Irrigation, Levees

PROPOSED WORK

Texas — Medina Irrigation Project 1, comprising Medina Co. (Hondo), Atascosa Co. (Jourdanton) and Bexar Co. (San Antonio) voted $2,500,000 bonds, purchasing irrigation project at Medina Lake, 30 mi. west of San Antonio, and extending canals and laterals to include 40,000 acres irrigation. Approximately $720,000 will be used for canals and laterals. Address H. R. Robertson, receiver, Maverick Bldg., San Antonio. Noted Feb. 26.

Texas—State Reclamation Dept., Austin, plans 150 mi. levee along Rio Grande River from Brownsville to near Mission. $3,000,000. Address B. F. Williams, Austin, state recording eng.

BIDS DESIRED

Mass., Chatham—May 21, by Dept. Pub. Wks., Div. Waterways, State House, Boston, dredging 50,000 cu.yd. material from Mitchells River, here. W. F. Williams, comr.

Fla., Leesburg—June 15, by City Comn., W. E. Harkness, clk., filling and dredging in Lake Harris. C. B. Gamble, acting mayor comr.; adv. E. N.-R. May 14.

O., Ravenna—May 18 at office of J. M. Parham, aud. Portage Co., Court House, constructing various working sections of Fish Creek Ditch Impvt., in Franklin Twp., Portage Co., and Stow Twp., Summit Co., J. L. Walter, Surveyor Portage Co.; adv. E. N.-R. May 14.

Ill., Mount Auburn — May 21, by R. Butcher, chn. comn., 1st Natl. Bank, cleaning Mount Auburn D. D., incl. 2,650 ft. 30 in. drain tile, 4.7 ft. average depth, 330 ft. 24 in., 5.4 ft. deep, 1,720 ft. 20 in. 5.8 ft. deep, 2,640 ft. 14 in. 5.2 ft. deep, 3,500 ft. 12 in. 5.4 ft. deep, 1,350 ft. 10 in. 5.3 ft. deep, and 200 ft. 8 in. 4.8 ft. deep. J. W. Dappert, Taylorville, engr.

Ark., Osceola—May 20, by Lee Wilson & Co., at office of C. E. Sullenger, 7½ mi. ditches, incl. 200,000 cu.yd. excav., etc. Morgan Eng. Co., 622 Goodwin Institute, Memphis, Tenn., engrs. Noted Nov. 6.

Tex., Dallas—Bois D'Arc Island Levee Dist., c/o C. C. Cobb, chn. Bd. Supervs., 512 North Texas Bldg., taking bids levee work, etc., incl. 1,116,000 cu.yd. drag line excav., etc., in Dallas Co. $650,000. T. C. Forrest, Jr., Waxahachie, engr.

Okla., Chandler—May 26, by A. Burgess, clk. Lincoln Co., 88,300 cu.yd. excav., 371 cu.yd. concrete, etc., in Kickapoo D. D. 4. $30,000. H. J. Wilkins, Oklahoma City, engr.

CONTRACTS AWARDED

N. Y., New York — M. Cosgrove, comr. Docks, Pier A, foot Battery Pl. North River, dredging at Pier 53 to 56, North River, Contr. 1860, to Morris & Cummings Dredging Co., 17 State St., $27,354. Noted May 7.

New Jersey — Morris Canal & Banking Co., Arrow Bldg., Blackwell and Sussex Sts., Dover, reconstructing and dismantling work on Sect. 86-102, of Morris Canal between Boonton and Mountain View, incl. removal of 17 bridges, grading approaches, etc., to Culp Constr. Co., Dover, $81,826.

Streets and Roads

PROPOSED WORK

New Hampshire—State Hy. Dept., Concord, plans grading and 6 in. concrete on 3 in. gravel surfacing 9,000 sq.yds. Rockingham Rd., Rockingham Co., $44,232; grading, graveling and 2 rein.-con. girder bridges on 0.899 mi. Mascoma Valley Rd. Grafton Co., $42,500. M. L. Johnson, Patriot Bldg., Concord, engr.

Rhode Island—State Bd. Pub. Rds., State House, Providence, plans highway in town of Tiverton. $40,000. A. L. Atwood, chrn.

New Jersey—State Hy. Dept., Trenton, plans concrete paving 4 mi. Route 4, from Rahway to Perth Amboy, Union and Middlesex Counties. $400,000. W. G. Sloan, Trenton, state highway engr.

N. J., Caldwell—Freeholders Essex Co. (Newark), plans grading and sheet asphalt paving 28,000 ft. Roseland Ave., 30 ft. $40,000. W. A. Stickle, Newark, engr.

N. J., Lakewood—Freeholders Ocean Co. (Toms River), plans concrete paving 3 mi. Lakewood-New Egypt Rd. J. M. Abbott, Toms River, engr.

N. J., Moorestown—Freeholders Burlington Co. (Mt. Holly), plans rebuilding 2 mi. Church Rd., here. $80,000. H. B. Smith, Mt. Holly, engr.

Pennsylvania — State Hy. Dept., Harrisburg, plans readvertising improvement Route 296, Application 1636 Susquehanna Co. Former contract rescinded. Noted Jan. 8.

Pa., Clearfield—Boro Council, takes bids about June 1, brick paving, 1 mi. Bigler Ave., 2nd, Market and Daisy Sts., 18 to 24 ft., $50,000. E. W. Hess, boro, engr. Noted Mar. 12.

Kan., Hutchinson—Soon takes bids grading, curbing and asphaltic concrete surfacing 8 blocks 8th Ave., Madison St. and Shadduck Dr. R. B. Lee, City Hall, engr.

South Dakota—State Hy. Comn., Pierre, rejected bids Apr. 29, grading 6.02 mi. State Aid Project 104, Roberts Co., and 0.53 mi. Federal Aid Project 165-C, Brule Co. Noted Apr. 16.

Tex., Dallas—Voted $250,000 bonds, paving various streets. A. E. Kingsley, city engr.

Tex., Houston—Voted $500,000 bonds for roadway on each side Buffalo Bayou to Turning Basin; $750,000 bonds for city's portion of street paving and $300,000 bonds for city's share of gravel, shell and macadam paving various streets. J. C. McVey, city engr. Noted Mar. 12.

Tex., Park Place (mail Houston)—Voted $85,000 bonds, paving various streets, incl. gravel surfacing Park Place Blvd., Galveston Rd. to city limits, and inverted penetration bituminous top on other streets; also extending sanitary sewerage system. $15,000 bonds voted. E. G. Sloan, 505 Stewart Bldg., Houston, engr. Noted Apr. 2.

Tex., Quanah — Hardeman Co. voted $600,000 bonds, hard-surfacing Colorado-Gulf Highway Rd. Address C. Y. Welch, Quanah, co. judge. Noted Feb. 5.

Tex., Richmond—Ft. Bend Co., election May 30, $225,000 bonds, improving roads in Rosenberg Road Dist. C. H. Kendall, Sugarland, co. engr.

Tex., San Angelo—Voted $80,000 bonds, paving various streets. Address E. J. Jackson. Noted Mar. 12.

Tex., Seguin—Comal Co. voted $92,000 bonds, surfacing roads in Dist. 1. Address County Judge, Sequin.

Tex., Temple—Voted $25,000 bonds, additional street paving. H. J. Greaser, city mgr.

BIDS DESIRED

Maine — May 20, by State Hy. Comn., Augusta, bituminous macadam surfacing 2.03 mi. Sect. K, Spur Houlton, and 4.3 mi. Sect. S, Gray; gravel surfacing 3.42 mi. Sect. V, New Sharon, 2.9 mi. Sect. N, Ellsworth-Hancock, and 5.26 mi. Sect. F, Livermore Rds. F. A. Peabody, chn.

Massachusetts — May 19, by Dept. Pub. Wks., Div. Highways, Court House, Boston, concrete paving 17,181 ft. highway in Plainville and Wrentham, 18 ft. $125,000. W. F. Williams, comr. Noted Mar. 26.

Massachusetts — May 19, by Dept. Pub. Wks., State House, Boston, bituminous macadam paving 989 ft. highway in Randolph; and concrete paving 3,652 ft. in Grafton, $25,000. W. F. Williams, comr.

Conn., Hartford — Taking bids concrete paving Ridgefield St. and Westbourne Parkway. $48,000. R. N. Clark, city engr.

N. Y., Brooklyn — May 20, by J. A. Guider, boro pres., Boro Hall, asphalt paving, etc., Westminster Rd., Aves. N and O, Belmont, Lott, Williams, 13th, Wood and Schenectady Aves., Bristol, Newport, Carroll, Dean, Maple, McDonough, St. Nicholas, 9th, 57th and 61st Sts.; sidewalks, etc., on Leonard St. et al.; grading, curbing, flagging, etc., 19th Ave. from 71st to 72nd Sts., and 19th Ave. from 76th to 78th Sts., also 73rd St.

N. Y., Brooklyn—May 21, by Park Bd., Dept. Parks, 64th St. and 5th Ave., New York City, improving Highland Park Dr., here.

N. Y., St. George — May 19, by J. A. Lynch, pres. Richmond Boro, Boro Hall, concrete repaving Richmond Terrace; con-

Streets and Roads (Continued)

crete curbing, brick guttering, etc., on North Burgher Ave., et al.

New Jersey—May 25, by State Hy. Dept., Trenton, bituminous concrete surfacing Route 2, Sect. 7, Mercer Co.; and grading and rein.-con. paving Route 8, Sect. 6, Passaic and Morris Counties. A. L. Grover, secy.; adv. E. N.-R. May 14.

New Jersey—May 25, by State Hy. Dept., Trenton, widening 1 mi. Route 2, from Trenton to White Horse, from 18 to 38 ft., Mercer Co. W. G. Sloan, Trenton, state highway engr.

N. J., Clinton—May 28, by Freeholders Hunterdon Co., Flemington, reconstructing ½ mi. Clinton-Pittstown Rd., here. $25,000. G. Davis, Whitehouse Sta., engr.

N. J., West Caldwell (mail Caldwell)—May 22, by Purchasing Agent, Essex Co. (Newark), grading and rein.-con. paving 1.19 mi. Clinton Rd., here. $75,000. W. A. Stickel, Newark, co. engr.

Pa., Phila.—May 18, by Bureau Highways, Dept. Pub. Wks., Schedule A, grading 17 streets; Schedule B, asphalt paving 25 streets; Schedule C, asphalt repaving 3 streets; Schedule D, redressed granite block repaving 2 streets; Schedule E, vitr. block repaving 1 street; Schedule F, country road improvement 6 streets; Schedule G, grading, paving and improving 1 street; Schedule H, constructing concrete dam and section of bathing lake at League Island Park; Schedule I, reconstructing sewer in 1 street. J. H. Neeson, ch. Bureau Highways. G. H. Biles, dir. Pub. Wks.

Maryland — May 26, by State Roads Comn., Baltimore, sheet asphalt paving 0.76 mi. Contr. BC-56, in Baltimore City; concrete paving 1 mi. Contr. S-23, Somerset Co., and 1.04 mi. Contr. WO-43, Worcester Co. J. N. Mackall, chn.; adv. E. N.-R. May 14.

Md., Baltimore—May 20, by Bd. Awards, grading and sheet asphalt paving 17,900 sq.yd. Contr. 283-OA; and granite block paving 5,800 sq.yd. Contr. 284-OC. L. G. Turner, 213 East Lexington St., acting chn. paving com.

Virginia—May 26, by State Hy. Dept., Richmond, improving roads and building bridges on Route 31, Project F-182-A, Prince William Co.; Route 114, Project F-190, Wise Co.; Route 31, Project F-215, Chesterfield Co.; Route 20, Project S-322-C, Charlotte and Campbell Counties; Route 113, Project S-327-B, Russell Co.; Route 11, Project F-344-A, Wise Co.; Route 31, Project F-358-D and F, Hanover Co.; Route 31, Project S-358-E, Hanover Co.; and Route 351, Project S-403, Sussex Co., C. S. Mullen, ch. engr.; adv. E. N.-R. May 14.

Miss., Jackson—May 19, by City Clerk, grading, curbing and hardsurfacing 10 mi. Fortification, Monument, Pascagoula, Roach, Amite North State, Mill and other streets. M. L. Culley, City Hall, engr. Noted Mar. 19.

Louisiana—May 28, by State Hy. Comn., Reymond Bldg., Baton Rouge, graveling 3.69 mi. Project 434, Oila-Winnfield Highway, La Salle Parish. W. B. Roberts, ch. engr.

Louisiana—June 2, by State Hy. Dept., Reymond Bldg., Baton Rouge, graveling 6.02 mi. State Project 415, Jonesboro-Bienville Highway, 6.91 mi. State Project 414-B, Jonesboro-Monroe Highway, also State Project 469, Chatham-Columbia Highway, all in Jackson Parish. W. B. Roberts, ch. engr.

Kentucky—May 25, by State Hy. Dept., at office of E. N. Todd, highway engr., Old Capitol Bldg., Frankfort, (**S. P. means State Project**), surface treating 2.501 mi. Middlesboro-Manning Rd., 14 ft., S. P. 5-T, 16.74 mi. Pineville-Middlesboro Rd., 16 ft., S. P. 5-S, and 2.13 mi. Middlesboro-Cumberland Rd., 16 ft., S. P. 38-A, all in Bell Co., 4.166 mi. Mayo Trail, 16 ft., S. P. 6-B-1, Boyd Co., 8.23 mi. Brookville-Augusta Rd., 14 ft., S. P. 48-A, and 12 mi. Brookville-Cynthiana Rd., 12 ft., S. P. 58½-D, both Bracken Co., 3 mi. Paris-Lexington Rd., 16 and 28 ft., S. P. 20-H, 2 mi. Paris-Cynthiana Rd., 14 ft., S. P. 21-G, 8.9 mi. Paris-Winchester Rd., 16 ft., S. P. 50-D, and 7 mi. Paris-Mt. Sterling Rd., 14 ft., S. P. 32-A, all in Bourbon Co., 3.5 mi. Danville-Harrisburg Rd., 16 ft., S. P. 22-D, 2 mi. Danville-Lancaster Rd., 16 ft., S. P. 96-A, and 8.68 mi. Danville-Perryville Rd., 16 ft., S. P. 25-C, in Boyle Co., 1.1 mi. Midland Trail-Kilgore Rd., 16 ft., S. P. 47-R-1, Carter Co., 6.3 mi. Winchester-Paris Rd., 16 ft., S. P. 50-C, and 7.7 mi. Winchester-Richmond Rd., 18 ft., S. P. 50-B, both Clark Co., 7.68 mi. Irvine-Richmond Rd., 14 ft., S. P. 29-B, Estill Co., 5.4 mi. Lexington-Harrisburg Rd., 20 and 22 ft., S. P. 47-G, 2.9 mi. Lexington-Georgetown Rd., 18 ft., S. P. 5-H, and 8.3 mi. Lexington-Richmond Rd., 16 ft., S. P. 5-I-1, all in Fayette Co., 7.8 mi. Frankfort-Shelbyville Rd., 16 ft., S. P. 17-D, and 9 mi. Georgetown-Frankfort Rd., 14 and 20 ft., S. P. 17-E, both Franklin Co., 2 mi. Warsaw-Sparta Rd., 14 ft., S. P. 64-A, Gallatin Co., 7 mi. Lancaster-Lexington Rd., 16 ft., S. P. 23-D, 7.9 mi. Lancaster-Lexington Rd., 16 ft., S. P. 25-E, 11.1 mi. Lancaster-Richmond Rd., 14 and 16 ft., S. P. 25-F, and 3 mi. Lancaster-Nicholasville Rd., 16 ft., S. P. 97-A, in Garrard Co., 2.7 mi. Dixie Highway, 16 ft., S. P. 8-B, 4.717 mi. Dixie Highway, 18 ft., S. P. 11-M, and 6.447 mi. Elizabethtown-Nelson Co. line Rd., 14 ft., S. P. 46-K, in Hardin Co., 9.575 mi. Cynthiana-Falmouth Rd., 14 ft., S. P. 21-E, Harrison Co., 4 mi. Dixie Highway, 12 ft., S. P. 11-J, Hart Co., 10.5 mi. Campbellsburg-Eminence Rd., 13 ft., S. P. 46-B and C, Henry Co., 17.5 mi. Louisville-Shelbyville Rd., 18 ft., S. P. 17-A and A-1, Jefferson Co., 5.4 mi. Nicholasville-Lexington Rd., 16 ft., S. P. 23-B, 7.7 mi. Danville-Nicholasville Rd., 16 ft., S. P. 23-C, and 6.96 mi. Harredsburg-Lexington Rd., 16 ft., S. P. 47-F, all in Jassamine Co., 9.313 mi. London-Mt. Vernon Rd., 16 ft., S. P. 5-N-2, and 13 mi. London-Carbin Rd., 12 and 14 ft., S. P. 5-0, in Laurel Co., 4 mi. Stanford-Somerset Rd., 14 ft., S. P. 22-G, Lincoln Co., 7.84 mi. Richmond-Irvine Rd., 14 ft., S. P. 29-A, Madison Co., 2 mi. Lebanon-Danville Rd., 14 ft., S. P. 25-B, Marion Co., 3.66 mi. Danville-Harrisburg Rd., 16 ft., S. P. 22-C, and 7 mi. Harrisburg-Lexington Rd., 16 ft., S. P. 47-E, in Mercer Co., 3.14 mi. Sterling-Frenchburg Rd., 14 ft., S. P. 32-C, Montgomery Co., 10.5 mi. Bloomfield-Lawrenceburg Rd., 12 and 14 ft., S. P. 44-A, 4 mi. Bardstown-Bloomfield Rd., 14 ft., S. P. 18-D, 3 mi. Bardstown-Springfield Rd., 14 ft., S. P. 47-A, and 6 mi. Bardstown-New Haven Rd., 16 ft., S. P. 3-D, all in Nelson Co., 2.2 mi. Paris-Carlisle Rd., 16 ft., S. P. 61-A, Nicholas Co., 8 mi. Owenton-Gratz Rd., 12 ft., S. P. 19-D, 3.5 mi. Georgetown-Owenton Rd., 14 ft., S. P. 49-B, and 5 mi. Owenton-Carrollton Rd., 14 ft., S. P. 59-A, in Owen Co., 8.425 mi. Cynthiana-Falmouth Rd., 14 ft., S. P. 21-D, and 3 mi. Covington-Falmouth Rd., 12 and 16 ft., S. P. 21-C, Pendleton Co., 12 mi. Stanford-Somerset Rd., 14 ft., S. P. 22-H, Pulaski Co., 9 mi. Frankfort-Georgetown Rd., 14 ft., S. P. 17-F, and 2.5 mi. Georgetown-Oxford Rd., 12 ft., S. P. 58½-A, Scott Co., 1.5 mi. Bowling Green-Morgantown Rd., 16 ft., S. P. 11-F, and 8.48 mi. Dixie Highway, 18 ft., S. P. 11-G-1, Warren Co., 2.3 mi. Springfield-Bardstown Rd., 16 ft., S. P. 47-B, Washington Co., 7.31 mi. Williamsburg-Corbin Rd., 14 ft., S. P. 35-A, Whitley Co., 6.3 mi. Versailles-Lawrenceburg Rd., 14 ft., S. P. 20-D, 4 mi. Versailles-Lexington Rd., 18 ft., S. P. 20-E, 2 mi. Versailles-Midway Rd., 16 ft., S. P. 32-J, 8.8 mi. Versailles-Frankfort Rd., S. P. 26-B, and 14.7 mi. Versailles-Brooklyn Rd., 14 and 16 ft., S. P. 26-C, in Woodford Co.; waterbound macadam surfacing 3.955 mi. Newport-Augusta Rd., 14 ft., S. P. 21½-A, Campbell Co.

Ohio — May 22, by Dept. Highways & Pub. Wks., Columbus, grading, bridging and paving 35.449 mi. roads in Adams, Ashtabula, Brown, Delaware, Franklin, Fulton, Hamilton, Licking, Montgomery, Union, and Van Wert Counties. A. V. Donaheys, div. engr.

O., Cincinnati—May 22, by Comrs. Hamilton Co., concrete paving, etc. 54,119 sq.yd. Dunlap-Springdale Rd. $195,581. E. A. Gast, Court House, engr. Noted Oct. 30.

O., Columbus — May 20, by Bd. Comrs. Franklin Co., grading and sheet asphalt paving, etc. 680 ft. Polo Pl. Rd. $8,972, 2,358 ft. Elbern Ave. Rd. $31,356, 594 ft. Medway Ave. Rd. $8,158, and 892 ft. Broadmoor Ave. Rd. $12,037, all in Truro Twp.

O., Mansfield—May 15, by H. C. Lynch, dir. Pub. Serv. & Safety, paving, etc., 3,500 sq.yd. 3rd Ave.

Michigan—May 16, by State Hy. Dept. at office Comrs. Iosco Co., Tawas City, graveling 6.5 mi. Assessment Dist. Rd., 16 ft. G. C. Dillman, Lansing, ch. engr.

Mich., Pontiac—May 28, by Oakland Co. Comrs., concrete paving 1.203 mi. State Trunk Line Rd. 10-39, C2, L. V. Belknap, Pontiac, co. engr.

Ill., Blue Island—May 18, by City Clerk, grading, concrete curbing and concrete surfacing 16,000 sq.yd. various streets. A. L. Fox, 160 North La Salle St., Chicago, engr.

Wisconsin — May 19, by C. R. Weymouth, div. engr., Stephenson Bldg., Milwaukee, improving 3.8 mi. Kilbourn Rd., Federal Aid Project 361-B, Racine Co., 23,330 cu.yd. earth, 100 cu.yd. each loose and solid rock excav., 46,006 sq.yd. concrete surfacing, etc.; 2.2 mi. Fond du Lac-Ripon Rd., Federal Aid Project 365-B, Fond du Lac Co., 10,569 cu.yd. earth, 100 cu.yd. each loose and solid rock excav., 26,770 sq.yd. concrete surfacing. J. T. Donaghey, Madison, highway engr.

Wisconsin—May 20, by State Hy. Comn., at Office 6, 213 South Barstow St., Eau Claire, improving 4.62 mi. Red Wing-Ellsworth Rd., Federal Aid Project 384-B, Pierce Co., 30,412 cu.yd. earth and 175 cu. yd. solid rock excav., 3,562 cu.yd. borrow, 8,296 cu.yd. 24 ft. gravel surfacing, etc.; grading, bridging, gravel and clay or crushed stone surfacing 1.94 mi. Durand-Ellsworth Rd., Federal Aid Project 401-A, Pierce Co. J. T. Donaghey, Madison, highway engr.

Wisconsin—May 21, by State Hy. Comn., at Office 8, 1st Natl. Bank Bldg., Superior, grading, clearing, bridging and gravel surfacing 15,375 cu.yd. St. Croix Falls-Superior Rd., Federal Aid Project 407-A, Burnette Co.; grading, clearing, bridging and concrete surfacing 2.58 mi. Prentice-Park Falls-Mellen-Ashland Rd., Federal Aid Project 405-A, Ashland Co. J. R. McLean, Madison, div. engr.

Wis., Appleton—May 18, by E. L. Williams, city clk., sheet asphalt, vibrolithic, Warrenite bituminous or bitulithic concrete on macadam paving 60,000 sq.yd. various streets. R. M. Connelly, City Hall, engr. Noted Apr. 30.

Minn., Hastings — May 18, by R. W. Downs, aud. Dakota Co., curbing, concrete paving, etc. 22,161 sq.yd. State Rd. 7, Job 2507. $45,000. J. Swan, Hastings, engr.

Minn., Wheaton—May 16, by City, G. I. Kristenson, village recdr., improving various streets, 6,630 lin.ft. straight and 660 lin.ft. curved curbing, 17,500 sq.yd. vitr. brick, asphaltic, Warrenite bitulithic, vibrolithic, reinforced or concrete paving.

Kan., Iola—May 27, by Clark Allen Co., grading, bridging and gravel surfacing 5 mi. Iola-Geneva Rd., 28 ft. L. J. Noftzger, Iola, co. engr.

Neb., Pender—May 21, by M. Smith, City Hall, city clk., curbing, guttering, concrete, brick, sheet asphalt, asphaltic concrete or Warrenite paving, etc., 21,620 sq.yd. various streets in Dist. 1. Nixon & Reynolds, 305 Grain Exch. Bldg., Omaha, engrs. Noted May 7.

Montana — May 20, by State Highway Comn., Helena, grading and gravel surfacing 6 mi. Drummond-Hall Rd., Granite Co., $25,000; also resurfacing 22 mi. Yellowstone Trail east of Billings, Yellowstone Co. $40,000.

Missouri—May 22, by State Hy. Dept., Jefferson City, grading 144,650 cu.yd. Palmyra-Hannibal Rd. Marion Co., 61,725 cu.yd. St. Joseph-Savannah Rd. Andrew Co., 38,189 cu.yd. St. Joseph-Savannah Rd. Buchanan Co., 2,822 cu.yd. road from Spickard south Grundy Co., 9,212 cu.yd. road north and 23,463 cu.yd. road south from Princeton Mercer Co., 3,216 cu.yd. road from Cape Girardeau south Scott Co., 2,276 cu.yd. road from Cape Girardeau, south, Cape Girardeau Co., and 88,640 cu. yd. road from House Springs north, Jefferson Co.; 30 ft. grading 9,289 cu.yd. Memphis-Baring Rd. Scotland Co., 90,405 cu.yd. St. Louis-Springfield Rd. Phelps Co., 117,356 cu.yd. road from Hinton north Boone Co., 114,196 cu.yd. Jefferson City-Tuscumbia Rd. Miller Co., 17,424 cu.yd. Lesterville-Ironton Rd., and 71,163 cu.yd. Garwood-Leeper Rd., both in Reynolds Co.; grading and 16 ft. gravel surfacing, etc. 14,865 cu.yd. Memphis-Baring Rd. Scotland Co., 4,212 cu.yd. La Grange-Morrison Co. Line Rd. Lewis Co., 16,688 cu.yd. road from Edina south and 6,305 cu.yd. Memphis-Baring Rd., Knox Co.; grading and 20 ft. gravel surfacing, etc. 6,802 cu.yd. West Plains-Oregon Co. Line Rd. Howell Co., 13,735 cu.yd. road from Tipton east and west, Moniteau Co.; grading and 18 ft. gravel surfacing, etc. 11,816 cu.yd. Mexico-Vandalia Rd., Audrain Co.; 9 ft. concrete surfacing 7,950 sq.yd. road from Spickard, north Grundy Co., 24,320 sq.yd. road from Princeton north, and 31,535 sq.yd. road from Princeton south, Mercer Co. B. H. Piepmeier, ch. engr.

Mo., Sedalia — May 18, by City Clerk, grading, curbing and 6 in. 1-2-3 mix concrete paving 2,139 ft. Grand Ave., 30 ft. C. O. Manker, City Hall, engr.

Tex., Anderson—May 27, by R. W. Barry, judge Grimes Co., clearing, grubbing, bridging and grading 6.71 mi. State Highway 6. Federal Aid Project 471-B, 26 ft., incl. 110,235 lb. reinforcing, etc. $75,665. O. A. Seward, Jr., Novasota, engr.

Okla., Lindsay—May 18, by C. A. Hillyer, city clk., grading and vertical fibre brick surfacing 13,200 sq.yd. Main St., 75 ft. $51,000. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs. Noted Apr. 16.

Idaho—May 23, at office Commisioner Pub. Wks., Boise, grading and crushed gravel surfacing, etc. 12,593 cu.yd. Old Oregon Trail Highway, Federal Aid Project 91-A, Oda Co.

Washington — May 26, by State Hy. Comn., Olympia, grading, etc. 4 mi. Sunset Highway, State Rd., 2, Chelan Co.; grading, one course concrete paving, etc. 3.2 mi. Ocean Beach Highway, State Rd. 12, Pacific Co.; grading and crushed gravel surfacing 7 mi. State Rd. 22, from Daisy South, Stevens Co.; crushed rock surfacing approximately 9,500 cu.yd. State Rd. 12,

Streets and Roads (Continued)

Lewis and Pacific Counties. J. W. Hoover, highway engr.

Wash., Longview—May 24, by City Clerk, grading, curbing, guttering, sidewalks and concrete paving 57,259 sq.yd. LID No. 2, East Longview. $252,172. T. H. Davis, Longview, engr.

Ont., Chatham—May 16, by W. D. Colby, engr. Kent Co., Harrison Hall, rein.-con. paving 45,000 sq.yd. various roads. $120,000.

Ont., London — May 19, by E. S. Little, chn. London Suburban Rds. Comn., County Bldg., concrete paving 32,000 sq.yd. Hyde Park Highway. $90,000. C. Talbot, County Bldg., engr. Noted May 7.

Ont., Sandwich—May 18, by E. R. North, town clk., concrete paving 1½ mi. Wyandotte, Partington, Rosedale, Queen, Askin and Kennedy Aves. $60,000. C. R. McColl, 16 Askin Blvd., engr.

Ont., Sarnia—Good Roads Advisory Com., W. Hackett, chn., County Bldg., wants prices on crushed stone and cement for paving work, incl. construction 4 small bridges. $156,000.

Ont., Welland—June 1, by R. Cooper, clk. Welland Co., 2 mi. waterbound macadam road in Willoughby Twp. and 2 mi. in Wainfleet Twp. $50,000. C. L. Coulson, Welland, co. engr.

BIDS RECEIVED

Massachusetts—Metropolitan Dist. Comn., 1 Ashburton Pl., Boston, surfacing Furnace Brook Parkway, in Quincy and Milton, from A. W. Loud, 16 Granite St., Quincy, $26,855.

Massachusetts — Park Dept., 33 Beacon St., Boston, widening and resurfacing roadway in Franklin Park, from J. C. Coleman & Sons, 1620 Tremont St., Roxbury, $50,360.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., May 8, grading and repaving West Alley Rd., from W. P. MacDonald Constr. Co., 342 Madison Ave., New York City, $149,430. Noted May 7.

N. Y., Long Island City — M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., May 6, restoring sidewalks and sheet asphalt paving Rockaway Beach Blvd. from Beach 116th to 122nd Sts., from Sicilian Asphalt Paving Co., 41 Park Row, New York City, $8,618; and granite block paving Rockaway Beach Blvd. from Beach 75th to Beach 110th Sts., from Peninsula Contg. Corp., $19,109. Noted Apr. 30.

N. Y., New York—New York State Bridge & Tunnel Comn., and New Jersey Interstate Bridge & Tunnel Comn., Room 3004 Woolworth Bldg., granite block with asphalt mastic joint filler on sand-cement cushion, paving Holland Tunnel, Contr. 10, from W. T. Fitzgerald 547, East 45th St., $329,655. Noted Apr. 16.

N. Y., New York—J. Miller, pres. Manhattan Boro, Municipal Bldg., May 6, from D. J. McCarthy, 88 Audubon Ave., granite block repaving Dover St. $36,255, Little West 12th St. $23,781; from W. J. Fitzgerald, 547 West 45th St., West 12th St. from Greenwich to West Sts., $26,995; from C. Helbock, 633 Wales Ave. granite block paving 2nd Ave. $40,394, widening and sheet asphalt repaving 5th Ave. $23,189; from O. D. Beckwith, 2875 Bway., grading Riverside Dr. $58,285. Noted Apr. 30.

New Jersey—State Hy. Dept., Trenton, May 4, street asphalt paving 7,170 sq.yd. Route 6, Sect. 16, Gloucester Co., from Union Paving Co., 30th and Locust Sts., Phila., Pa., $32,622; concrete paving 43,240 sq.yd. Route 18, Sect. 1, Bergen Co., from J. J. McGarry, Edgewater, $299,773. Noted Apr. 23.

Pennsylvania—State Hy. Dept., Harrisburg, May 2 **(A means Application and R means Route)** from General Paving Co., B. & B. Bldg. Allentown, rein.-con. paving 22,707 ft. **A.** 3283, Carbon Co., $155,411, from G. I. Thompson Co., Clearfield, 12,751 ft. **R.** 221, Blair Co., $112,997, from Frey Constr. Co. Inc., 50 West Phila. St., York, 12,153 ft. **R.** 140, **A.** 2924 Sect. 2, Gauphin Co., $99,375, and bituminous surface course on concrete, or one course concrete paving, 1,800 ft. **A.** 3346 and 3347, Erie Co., $15,469, from Johnson, Drake & Piper Inc., 834 Soo Line Bldg., Minneapolis, Minn. rein.-con. paving 28,078 ft. **R.** 67, **A.** 3175, and 3032, Armstrong and Indiana Counties, $256,497, from R. D. Richardson Constr. Co., 828 Connell Bldg., Scranton, 4,373 ft., **A.** 3219, Berks Co., $50,637, from J. Battenfield Sons Co., 223 Martins Bldg., Federal St., N. S., Pittsburgh, 6,312 ft. **R.** 302 Sect. 2, Westmoreland Co., $56,780, from H. W. Horst Co., Horst Bldg., Rock Island, Ill., 59,690 ft. **R.** 199 Sect. 1, Schuylkill Co., $652,037, from Metzger, Kirkpatrick & Wallis, Emporium, 3,419 ft., **R.** 105 Clinton Co., $113,840, from Elder & Merriman, Ebensburg, 40,136 ft. **R.** 262 Sect. 4, Indiana Co., $342,850. Noted Apr. 23.

Maryland — State Roads Comn., Baltimore, from Thomas, Bennett & Hunter, Westminster, concrete shoulders on 11.25 mi. Contr. Cl-21A, Carroll Co. $112,320, 4.75 mi. Contr. P-12A, Prince George Co. $49,896, from Phillips & Neal, Hurlock, 1.64 mi. Contr. D-6A, Dorchester Co. $8,083, 8.2 mi. Contr. WO-5A, Worcester Co. $37,812, from Huse & Knight, 2800 Montebello Ave., 8.5 mi. Contr. AB-1A, Anne Arundel Co., $83,022; from P. B. Phillips & Bros., Salisbury, concrete paving 1.44 mi. Contr. WI-27, Wicomico Co. $54,937, from Ward & O'Connell, New Amsterdam Bldg., 2 mi. Contr. HO-45, Howard Co. $67,575; from Baltimore Asphalt Block & Tile Co., 1320 North Monroe St., Baltimore, sheet asphalt paving 0.52 mi. Contr. BC-53, Baltimore Co., $119,278; from St. Marys Constr. Co., Mechanicsville, graveling 1.25 mi. Contr. SM-34, St. Marys Co., $8,764. Noted Apr. 23.

Virginia—State Hy. Comn., Richmond, Apr. 28, concrete surfacing 1.425 mi. Route 31, Project F-372-B, Spotsylvania Co., from Woolfolk & DeJarnette, Princeton, W. Va., $40,731; bituminous macadam surfacing 1.645 mi. Route 28, Project F-301-A, Albermarle Co., incl. 32½ ft. rein.-con. bridge over Hardware River, from McKenney & Van Doren, 1439 Fort Ave., Lynchburg, $43,505; improving 3.003 mi. Route 14, Project F-259-A, Pittsylvania Co., from R. H. Langhorne, Evington, $17,714; threee 45 ft. rein.-con. beam span bridge over Little River, Route 31, Project F-358-G, Hanover Co., from Clark & Lewis, Luray, $14,490. Noted Apr. 16.

La., Shreveport—Grading, curbing and Warrenite paving 1.5 mi. Felzer Ave., from Southern Roads Co., Shreveport, $112,000.

Michigan—State Hy. Dept. at office Comrs. Saginaw Co., Saginaw West Side, Apr. 30, grading 5.802 mi. Federal Aid Project 92, A2, and 2.587 mi. Sects. B1 and B3, from W. J. Meagher, Bay City, $219,854 and $132,495 respectively. Noted Apr. 23.

Mich., Detroit — From Detroit Asphalt Paving Co., Free Press Bldg., sheet asphalt paving 4,175 sq.yd. Renville Ave, $19,466, 3,440 sq.yd. Fournier Ave. $15,316, 13,405 sq.yd. Flanders Ave. $58,968, 8,800 sq.yd. Moran St. $38,916, 3,855 sq.yd. Girardin Ave. $17,720, 1,010 sq.yd. Kentucky Ave. $4,686, 1,005 sq.yd. Indiana Ave. $4,679, 9,025 sq.yd. Kilbourn Ave. $40,820, 9,050 sq.yd. Traverse Ave. $40,088; from Cooke Asphalt Paving Co., 1260 Penobscot Bldg., 4,980 sq.yd. Margaret Ave. $22,977, 4,030 sq.yd. Orleans St. $18,275, 4,005 sq.yd. Greeley Ave. $18,404, 4,030 sq.yd. Riopelle St. $18,407; from Cleveland Trinidad Paving Co., 402 Hammond Bldg., 5,675 sq.yd. Ironwood Ave., Sect. 2 $26,741.

Mich., Port Huron—St. Clair Co., graveling 4.5 mi. Assessment Dist. Rd. 30, and 2.75 mi. Assessment Dist. Rd. 77, from Parker & Cochrane, Almont, $56,500 and $30,000 respectively; 12.5 mi. Assessment Dist. Rd. 35, from C. McComb, Algonac, $176,800.

Mich., St. Johns—Clinton Co., graveling 5 mi. County Assessment Dist. 18, Sect. 1, from C. E. VanDyne, Clare, $52,421; and 5 mi. Sect. 2 of above road, from R. E. Bailey, Corunna, $46,948.

Wis., Rhinelander—City, Apr. 24, paving 56,000 sq.yd. various streets, from Welsh Paving Co., 703 1st Natl. Soo Line Bldg., Minneapolis, Minn., vibrolithic concrete, $166,661; from F. P. Coughlin Co., 130 North Wells St., Chicago, Ill., bitulithic, $142,770; from Bridges Paving & Constr. Co., Wabash, Ind., asphaltic concrete, $100,244, sheet asphalt, $114,244; from Ford Paving Co., Cedar Rapids, Ia., rein.-con., $159,212. Noted Apr. 16.

Nevada—State Hy. Comn., Carson City, grading and gravel surfacing 10.25 mi. road from point 12 mi. east of Dunphy to east county line, from C. A. Robinson, Twin Falls, Idaho, $101,390; 12.2 mi. road from Dunphy to point 12 mi. east, both in Eureka Co., from R. L. Reed, Jerome, Idaho, $80,751.

CONTRACTS AWARDED

Mass., Boston—Park Dept., 33 Beacon St., widening and resurfacing roadway in Franklin Park, to J. C. Coleman & Sons, 1620 Tremont St., Roxbury, $50,360. Noted May 14.

Rhode Island — State Bd. Pub. Wks., Providence, concrete paving 1.72 mi. Contr. 2504, Federal Aid Project 26, in West Greenwich, to A. D. Bridges Sons, Inc., Hazardville, Conn., $95,721. Noted May 7.

Rhode Island — State Bd. Pub. Wks., Providence, 250,000 gal. asphaltic oil or refined tar to certain sections of state roads, to C. C. Plumb Contg. Co., 327 Howard Bldg., Providence, $0.084 per gal. total $21,000. Noted May 7.

N. Y., New York—J. Miller, pres. Manhattan Boro, Municipal Bldg., granite block repaving 128th St., to St. George Granite Co., 90 West St., $42,099; sheet asphalt repaving 67th St. and Lexington Ave., to Sicilian Asphalt Paving Co., 41 Park Row, $18,982 and $12,171 respectively, 119th St. to Interboro Asphalt Co., 2306 Creston Ave., $9,491, 2nd Ave., to J. Meehan & Son, 74 Cortlandt St. $15,778, West Ave., to Uvalde Asphalt Paving Co., 1 Bway., $24,[illegible]. Noted May 7.

N. Y., New York—J. Miller, pres. Manhattan Boro, Municipal Bldg., repairing wood block, granite block, and oak wood block pavements in railroad area, to C. Helbock Co., 633 Wales Ave., $42,400; repairing asphalt pavement in railroad area, to Cleveland Trinidad Paving Co., Flushing, $72,300. Noted Apr. 16.

Pennsylvania—State Hy. Dept., Harrisburg, **(R. means Route and A. means Application)** to P. C. Kroeck, 1000 Humboldt Ave., Milwaukee, Wis., improving R-294, A-3355, Mercer Co., 89,900 sq.yd. rein.-con. $3.04 per sq.yd. 27,830 cu.yd. unclassified excav. $1.10, 660 cu.yd. borrow $1.10, total $363,238; to Winter & Yaple, Erie, R-236, A-3143, McKean Co., 18,217 sq.yd. rein.-con. $3.10, 5,732 cu.yd. unclassified excav. $1.05, 3,152 cu.yd. borrow $1.05, total $77,596; to E. Dunn Co., Inc., Greensburg, R-288, Sect. 3, Fayette Co., 17,570 sq.yd. rein.-con. $3.45, 7,600 cu.yd. unclassified excav. $1.20, total, $89,697; to W. M. Moser, Brookville, R-161, Northumberland Co., 2,371 sq.yd. and 11,156 sq.yd. concrete, $3.30 and $3.60 per sq.yd. respectively, total $77,705. Grand total $608,236. Noted May 7.

Pennsylvania—State Hy. Comn., Harrisburg **(R. means Route and A means Application)** rein.-con., paving 18,273 sq.yd., **R.** 242, Sect. 1, A. 2897 Washington Co., to A. G. Rothey, Elizabeth, $3.51 per sq.yd., total $97,687, 4,772 sq.yd. **R.** 259 Sect. 1, **A.** 3268, Northumberland Co., to R. C. & I. T. Fiss, Shamokin Dam, $3.50 per sq.yd., total $23,665, 15,800 sq.yd., **A.** 692, Dauphin Co., to Continental Contg. Co., Knickerbocker Bldg Baltimore, $3.28 per sq.yd., total $83,795, 22,410 sq.yd., **R.** 174, Susquehanna Co., to Lincoln Constr. Co., Strafford, $3.80 per sq.yd. total $95,617, 83,700 sq.yd., **R.** 164 Sect. 2, Monroe Co., to Nichell-Grahl Constr. Co., Butler, $2.90 per sq.yd. total $426,424, 102,200 sq.yd., **R.** 232 and 365, Wyoming Co., to Winston & Co., Inc. Scranton, $3.15 per sq.yd. total $599,917; grading etc., 141,700 cu.yd., **R.** 7 Sect. 2, Pike Co., to W. H. Palmer Inc., Bethlehem, $1.25 per cu.yd. total $270,875. Grand total $1,600,980. Noted Mar. 12 and 26.

Pa., Phila. — Bureau Highways, Dept. Pub. Wks., to Butler & Orlando, 52nd and Webster Sts., grading Brist, Elmwood, 74th, 75th and 76th Sts. $16,841, to T. V. Monoghan, Water St. and Clarkson Ave., Camac, Champlost, Marvine, Medary, Nedro, Spencer, 10th and 13th Sts. $27,552, Griffith, Lansing, Large, Solly and Summerdale Sts. $18,034, Harrocks, Large, Rutland and Sanger Sts. $13,792, to R. B. Wenner, 2313 Walnut St., Culp, Fairthorne, Fowler, Harner, Lawn, Manti, Newland, Silverwood and Sunset Sts. $9,968, Gowen St. $3,505, Mt. Airy St. $1,303, 18th St. $3,183, to Morrisey Bros., 4347 North 7th St., Godfrey, Marshall, Spencer, 6th and 7th Sts. $17,203, to E. A. Mullen, Inc., 5512 Vine St., Malvern, 57th and 58th Sts. $3,206, to F. Mark Contg. Co., 2820 North 21st St., 15th St. $2,779; to Union Paving Co., 365 Locust St., asphalt paving Belmar St. $4,470, Flanders and 67th Sts. $14,575, Georges Lane $8,592, Greenway St. $9,332, Mascher St. $2,559, Rand St. $1,883, redressed granite block repaving Bridge St. $35,724, 18th St. $17,730; to Barber Asphalt Co., Land Title Bldg., 30th and Race Sts., asphalt paving Marston St. $3,267, Wister St. $16,077, 16th St. $5,509, asphalt repaving Haverford St. $111,333; to M. J. McCrudden, 1134 Real Estate Trust Bldg., asphalt paving Milne St. $9,067, redressed granite block repaving Glenwood St. $10,151; to Eastern Asphalt Paving Co., Pennsylvania Bldg., asphalt paving Nassau, Oxford and 57th Sts. $32,717, redressed granite block repaving Richmond St. $65,826, Sansom, Walnut and 2nd Sts. $67,574, 16th St. $12,924; to Mack Paving & Constr. Co., Nicetown Lane, asphalt paving Tower St. $2,565, 16th St. $9,778, 28th St. $20,130; to San Oil Co., Finance Bldg., oil for Mosquito Elimination $1,750; to Hedley Good Roads, Franklin Trust Bldg., road oil on various streets $13,215. Grand total $676,848.

Maryland — State Roads Comn., Baltimore, concrete paving 3.88 mi. Contr. Ce-48, Cecil Co., to Sutton Co., Jefferson Bldg., Phila., Pa. $113,402, 2.26 mi. Contr. T-22, Talbot Co., to Kauffman Constr. Co., Denton $29,450, 7.5 mi. Contr. G-29, Garrett Co., to Tri-State Eng. Co., Cumberland, $242,832, 0.78 mi. Contr. Ba-52, Baltimore Co., to Christhilf & Ensey Co., 1625 Ridgley St., Baltimore, $20,107; graveling 2 mi. Contr. SM, St. Marys Co., to J. A. Wilmer, La Plata, $13,542; concrete shoulders on 11 mi. Contr. W-9A, Washington Co., to Development & Constr., Co., Amer. Bldg., Baltimore, $114,-

Streets and Roads (Continued)

231, 8.75 mi. Contr. A1A, Allegany Co., to Cumberland Constr. Co., Cumberland $46,720, 4 mi. Contr. M-10-B, Montgomery Co., to J. H. Sieling, Laurel $41,454, 11 mi. Contr. H-1-A, Harford Co., to T. P. Murray Towson $105,450; grand total $727,-188. Noted May 7.

Md., Baltimore — Bd. Awards, grading, curbing and asphalt paving 8,480 sq.yd. Contr. 279 OANA, to Tydings Marine Co., 2 East Lexington St., $23,710; 13,550 sq.yd. Contr. 278 OV, to Amer. Paving Co., Montebello Ave., $67,304. Noted May 7.

S. C., Bennettsville—Marlboro Co., clay gravel surfacing 9.3 mi. State Project S-560, to E. K. Turner, Florence, $53,118. Noted Apr. 16.

S. C., Walterboro — Colleton Co. Rd. Comn., sand clay surfacing 17 mi. State Project S-432, to C. Wadsworth, Concord, N. C., $46,974; and Sate Project S-574, to J. L. Carroll, Columbia, $64,542.

Georgia—State Hy. Dept., East Point, concrete surfacing 4.403 mi. Project 399-A, Coweta Co., to Davis Constr. Co., Walton Bldg., Atlanta, $103,589; asphalt surfacing Project 117, Gwinett Co., to S. E. Finley, 212 West North Ave., Atlanta, $18,838; improving Forest Rd.-Toccoa Basin, to J. H. Moore & Son, Dahlonega, $40,476; top soiling 3.232 mi. Project 432-A, Habersham Co., and 3.645 mi. Project 402-A, Franklin Co., to M. R. Woodell, 486 Euclid Ave., Atlanta, $20,082 and $17,215 respectively; grading 3.967 mi. Project 404-C, Muscogee Co., to E. M. Beckham, Perry, $34,558; gravel surfacing 5.663 mi. Project 204, Echols and Lowndes Counties, to Carter Constr. Co., Chattanooga, Tenn., $22,328; surface treating 2.5 mi. graveled road, Project 282, Lowndes Co. and rock asphalt surfacing 1 mi. Project 91, also surface treating 6 mi. graveled road Project 357, Lowndes Co., to R. J. Freeman, Decatur, $8,673 and $29,462 respectively. Grand total $304,211. Noted Apr. 16.

Fla., Tampa — Hillsborough Co., to W. Bryson Paving Co., Jacksonville, **(e. e. means engrs. est.)** concrete curbing and ½ in. sheet asphalt on 3 in. sand asphalt paving 13,222 sq.yd. portions of Greenfield and Lockmoor Sts. $39,000, e. e. $38,000; 15,740 sq.yd. Thorney Lea Lane, Ridgedale Rd., Burlingame and Glen Arven Sts., $40,-500, e. e. $40,000; 9,852 sq.yd. Inverness, Mission Hills, Bonnie Brae and Fairmont Circle Sts., $25,500, e. e. $25,000; 9,500 sq.ft. Willnolck, Avondale and Greencastle Sts., $25,500, e. e. $25,000; 11,500 sq.yd. Glenoaks, Belle Terre, Kingwood, Sunningdale, Midlothian and Ridgedale Sts., $26,-500, e. e. $26,000; 10,667 sq.yd. Bon Air, Belle Clain Ave., and Bell Clain Pl., $26,500, e. e. $26,000; 9,266 sq.yd. Burlingame, Belvidere Oval, and Glen Arven Sts., $25,-500, e. e. $25,000; 11,155 sq.yd., Dunwoodie, Woodmont, Greenfield and Shadowlawn Sts., $26,000, e. e. $26,000; 11,467 sq.yd. St. Andrews and Glen Oaks Sts., $26,500, e. e. $26,000; 17,411 sq.yd. Clifton, Brentwood, St. Augustine and Belleview Sts., $43,300, e. e. $42,000; 11,999 sq.yd. Fern Cliff, Pinehurst and Biltmore Sts., $26,500, e. e. $26,000; 7,300 lin.ft. Orange and Terrace Circles, Bway., 5th and 8th Sts., $25,-000, e. e. $25,000; 15,627 Riverhills Dr., $41,267, e. e. $40,000; all foregoing in Temple Terrace Estates. Grand total $397,547.

Ala., Birmingham — City, **(e. e. means engineers estimate)** asphaltic concrete surfacing 4 blocks 5th Ave. and 8 blocks 32nd St., both 40 ft., to Dunn Constr. Co., Lincoln Life Bldg., $33,258 and $79,443 respectively, e. e. $32,500 and $80,000 respectively; Warrenite bitulithic surfacing 7 blocks 31st St., 40 ft., to H. N. Bowdry, Farley Bldg., $56,-425, e. e. $56,500; concrete surfacing 10 blocks 29th Ave. N. to Dietz Concrete Constr. Co., Empire Bldg. $50,000, e. e. $50,000, 20 blocks between railroad tracks and 18 in. on each side 32nd St., to Gamble Constr. Co., Empire Bldg., $30,723, e. e. $31,000; bitulithic surfacing 6 blocks 18th St., 40 ft., to Independent Paving Co., Amer. Trust Bldg., $20,699, e. e. $21,000; asphalt surfacing 3 blocks 9th St., 50 ft. and 3 blocks 8th and 9th Aves., 30 ft., to Federal Asphalt Paving Co., Brown-Marks Bldg., $18,104 and $18,104 respectively, e. e. $18,-104 and $18,500 respectively; concrete sidewalks on 1 block 2nd Ave. W., 40 ft., to J. Fromhold, 1808 Lee Ave., $3,233, e. e. $3,500; grading 20 blocks various streets, 30, 40 and 50 ft., to Tuscaloosa Constr. Co., Tuscaloosa, $175,000; cement sidewalks on 1 block 1st Court, 50 ft. and macadam surfacing 3 blocks 12th Ave., to L. J. Mullarky, 2400 Ave. J (Ensley) $1,567 and $8,151 respectively, e. e. $1,600 and $8,200 respectively. Grand total $493,704.

La., Amite—Tangipahoa Parish, graveling roads in Rd. Dist. B, Wards 1 and 2, 5,547 mi., to Williams Bros., Osyka, Miss., $15,-096; 7.542 mi. to Kentwood Gravel Co. Kentwood, $26,496; 2.318 mi., to Phares, Whetstone & Russell, Woodville, Miss., $5,126; 6.704 mi., to J. H. Newton Co., Amite $23,645. Grand total $70,272.

La., Shreveport — Paving 5 streets in Glenwood Park, to E. J. Deas, Shreveport.

Ohio — Dept. Highways & Pub. Wks., Columbus, to Stringer & Stringer, Wheeling Bank & Trust Bldg., Wheeling, W. Va., grading, bridging and concrete paving 0.534 mi. Sect. "Yorkville" Ohio River Rd. $19,-036, 1.494 mi. Sect. "A-1" Ohio River Rd. $55,319, also bridge on Sect. "Yorkville" $18,161, all Belmont Co.; to Newell & Smith, Defiance, rein.-con. paving 1.478 mi., Sect. "B" Roundhead-Ada Rd. $40,574, and 2.21 mi. Sects. "G and McGuffey" Roundhead-McGuffey Rd., $58,824, both Hardin Co. Noted Apr. 23.

O., Akron—W. F. Peters, dir. Pub. Serv., to T. E. McSchaffrey Constr. Co., 173 South Forge St., vitr. brick paving, etc. 32,950 sq.yd. Palisades Dr. et al $263,640, 10,850 sq.yd. Merriman Rd. $91,526; to Columbus Asphalt Paving Co., 304 Buckeye Bldg., 16,200 sq.yd. Stanton Ave et al $128,055, 10,510 sq.yd. Ackley St. et al $93,877, to Thorpe Constr. Co., 231 Society for Savings Bldg., Cleveland, 16,000 sq.yd. Englewood Ave., et al $92,531; to L. Crano & Co., 274 Crosby St., sidewalks, etc. on 33,000 sq.ft. Patterson Ave. et al, $28,718. Grand total $698,237. Noted Apr. 9.

O., Akron—W. F. Peters, dir. Pub. Serv., **(e. e. means engrs. est)**, to Thorpe Constr. Co., 231 Society for Savings Bldg., Cleveland, grading, stone curbing, concrete sidewalks and vitr. brick paving, etc., 1,500 sq.yd. Robinette and Luedella Courts $10,-344 e. e. $11,500, grading concrete sidewalks and vitr. brick paving, etc. 975 sq.yd. Courteney Pl. et al, $6,346 e. e. $6,600; to Bonner Co., 32 South College St., grading and laying concrete sidewalks on 13,500 sq.ft. Julien Ave., $6,019 e. e. $6,400, 6,100 sq.ft. Hudson Ave., $4,333 e. e. $5,500, grading, concrete guttering and concrete sidewalks etc. on 3,650 sq.ft. Bina Ave., $1,797 e. e. $2,500, 12,200 sq.ft. Sherman and Baird Sts., $5,750 e. e. $7,500; to T. E. McShaffrey Constr. Co., 173 South Forge St., grading, curbing, guttering and sheet asphalt paving 5,000 sq.yd. Bowery St., $33,003 e. e. $41,000, grading, stone curbing, sidewalks, vitr. brick guttering and sheet asphalt paving 860 sq.yd. North Case Ave., $5,638 e. e. $6,500, grading, stone curbing and vitr. brick paving, etc. $1,720 sq.yd. South Walnut St., $11,736 e. e. $13,500, 4,035 sq.yd. Avon St., $22,228 e. e. $25,000, grading, stone curbing, laying sidewalks and vitr. brick paving 11,525 sq.yd. North Case Ave., $72,159 e. e. $80,000, grading, paving, repaving and resurfacing Wooster Ave., 320 sq.yd. vitr. brick and 2,400 sq.yd. sheet asphalt, $7,388 e. e. $10,000; to McAlonan Bros., 506 Woodland Ave., grading, curbing, laying sidewalks and vitr. brick paving 990 sq.yd. Fairfield Ave., $9,325 e. e. $9,500; to Guran & Brancich, 429 Matthews St., grading and laying 4 in. concrete sidewalks on 13,800 sq.ft. Alexander St., $7,327 e. e. $8,500. Grand total $203,393. Noted Apr. 16.

O., Cleveland—Improving (1) Diamond Ave. (2) West 61st St. (3) West 33rd St. (4) East 161st St. (5) 168th St., (1 to 5 inclusive) involves 9,454 sq.yd. vitr. brick, 2,775 sq.yd. sheet asphalt, 7,770 lin.ft. stone curbing, 7,810 lin.ft. 4 in. drain tile gutter, and 7,500 cu.yd. earth excav. (6) Wayside Rd. (7) Adelaide Ave. (8) Champion Ave. (6 to 8 inclusive) involves 6,500 sq.yd. sheet asphalt, 4,475 lin.ft. stone curbing, 4,850 lin.ft. 4 in. drain tile guttering and 7,600 cu.yd. earth excav. (9) Cliffview Rd. (10) Hillview Rd. (9 and 10) involves 9,050 sq.yd. vitr. brick, 6,150 lin.ft. stone curbing, 6,590 lin.ft. 4 in. drain tile guttering, 4,100 cu.yd. earth excav., to Garland Bros., 5806 Franklin Ave. (1) $9,382; to Roehl Bros., 7002 Denison Ave. (2) $8,393; to W. E. McHugh, West 73rd St. and Wheeling and Lake Erie R.R. tracks (3) $5,302; to Gould & Maybach, 16311 Saranec Rd. (4) $14,634 (5) $35,242; to H. G. Herring, c/o Pavers Exchange, The Arcade (6) $58,211 (9) $25,471 (10) $26,955; to Cleveland Trinidad Paving Co., The Arcade (7) $3,161 (8) $3,077. Noted Mar. 19. Grand total $190,128.

O., Canton—Brick paving 3rd St. N. E., and improving Warner Rd. N. E., to H. Corl, Genl. Del., $29,056 and $26,738 respectively, engrs. est. $30,000 and $25,000 respectively; Clyde Pl. S. W., to W. H. Stanton, Genl. Del., $28,380, engrs. est. $30,000; curbing and laying sidewalks on 7th Ave. S. E., to Canton Sand & Gravel Co., Genl. Del., $25,864, engrs. est. $30,000. Grand total $110,038. Noted Oct. 16.

O., Cincinnati—City, sidewalks, curbing and sheet asphalt repaving, etc. 4,400 sq.yd. Court St. and granite block paving 3,200 sq.yd. Augusta St., to Hinkel & Sullivan, 105 Bell Block, $22,392 and $33,279 respectively. Engrs. est. $28,947 and $34,839 respectively. Noted May 7.

O., Cincinnati—Hamilton Co., 165,000 gal. tar, Grade 1, 227,000 gal. heavy oil, and 10,420 cu.yd. sand on various roads, to J. A. Nickoson, Saylor Park Sta., $74,909. Engrs. est. $95,220. Noted May 7.

O., Cleveland—Cuyahoga Co., brick paving State Rd. 8, to Freshwater Constr. Co., Davis and Farley Bldg., $354,448. Noted May 7.

O., Mansfield—H. C. Lynch, dir. Pub. Serv. & Safety, to Brooks Constr. Co., Ft. Wayne, Ind., asphalt paving Lexington Ave. $11,565, Benton St., $1,409 and Bowman St. $5,685; to F. Gandert & Son, Mansfield, concrete paving Poplar St., $5,674, Henry St. $4,583, brick paving Fair St. $3,785, Flint St. $5,625; to H. E. Johnson, Mansfield, brick paving West 3rd St. $6,485, Sherman Pl. $6,439, Helen Ave. $10,903; to G. B. Herring & Son, Mansfield, brick paving Willis Ave. $3,193, Dickson Ave. $6,764; to Andrews Asphalt Paving Co., Cincinnati, sheet asphalt paving Highland Ave. $20,292. Grand total $92,402. Noted Apr. 9.

Michigan — State Hy. Dept., Lansing, grading 5.802 mi. Federal Aid Project 92, A2, Saginaw Co., and 2.587 mi. Federal Aid Project 92B and B3, Saginaw Co., to W. J. Meagher, Bay City, $222,861 and $133,850 respectively; concrete paving 3.578 mi. Federal Aid Project 67A and A2, Washtenaw Co., by day labor $99,502.

Mich., Ferndale — To R. D. Baker Co., 1631 Elmhurst Ave., Detroit, rein.-con. paving 200,000 sq.yd. Admore Dr., Bennett E., Webster, Saratoga E., Troy, Kenton, Maplehurst, Spencer, Saratoga, Breckenridge, Lewiston, Pearson, Withington, Hazelhurst, College, Laprairie, Courbourne, Marshall, LeRoy, Beaufield, Fielding, Bermuda, St. George, St. Lewis and Saratoga W. Aves., $607,000. Noted Jan. 15.

Mich., Grand Haven — Ottawa Co., concrete paving 4 mi. county road to Charlevoix Abstract & Eng. Co., Charlevoix, $79,000.

Mich., Grand Rapids—Improving Hobart St., and grading and paving Sheldon Ave., to McDermott & Cooper, Grand Rapids, $9,468 and $48,998 respectively, Marion Ave. and Veto St., to Grand Rapids Asphalt Co., Grand Rapids, $13,757 and $16,198 respectively; Charles and Chatham Aves., and Jackson St., to W B. Chalmers Co., 501 Grand Rapids Savings Bank Bldg., $3,625, $15,314, and $37,574 respectively.

Mich., Sandusky—Sanilac Co., graveling Assessment Dist. Rd. 5, to Whitely & Schwaderer, Sandusky, $52,680, Assessment Dist. Rds. 8 and 19, to Belknap & Snyden, Mayville, $9,886, and $26,570 respectively.

Illinois — Dept. Pub. Wks. & Buildings, Div. Highways, Springfield, 18 ft. concrete surfacing 7.91 mi. Route 19, Sects. 24 and 25, Lake and McHenry Counties, to Powers Thompson Constr. Co., Joliet, $220,995; 9.72 mi. Route 3, Sect. 28, Mercer and Warren Counties, to Cameron, Joyce & Co., Keokuk, Ia., $198,007; 5.14 mi. Route 16, Sect. 20, Montgomery Co., to Smith Bros., Inc., Amer. Exch. Bldg., Dallas, Tex., $92,-952; 5.37 mi. Route 24, Sect. 5, Christian Co., to Stevens Bros., St. Paul, Minn., $106,-224; 5.01 mi. Route 23, Sect. 29, De Kalb Co., and 6.48 mi. Route 23, Sect. 31, De Kalb and La Salle Counties, to Henkel Constr. Co., Mason City, Ia., $71,768 and $123,119 respectively; 11.3 mi. Route 39, Sects. 12 and 13, Piatt and Champaign Counties, to Divine Constr. Co., Watseka, Ill., $288,000. Grand total $977,946. Noted Dec. 31 and Apr. 2.

Ill., Harvey—Grading, curbing and concrete surfacing 35,000 sq.yd. various streets, to A. Ward & Sons, Oak Glen, $124,475. Noted Apr. 2.

Wis., Fond du Lac—Fond du Lac Co. Highway Comn., improving Wolf Lake-Marytown-Co. Line Rd., 1,400 cu.yd. earth, 1,800 cu.yd. loose and 155 cu.yd. solid rock excav., 1,105 cu.yd. borrow, etc., to Knoke Bros., New London, $19,823; and Brenner Bridge, two 30 ft. concrete deck girders over Sheboygan River on County Trunk W, to Moore & Moore, Marinette, $5,647. Noted Apr. 16.

Wis., Janesville — Commissioner Pub. Wks, one course rein.-con. paving various streets, to Matthes Coal & Constr. Co., 1810 Bowditch St., Davenport, Ia., $224,193. Noted Apr. 9.

Wis., Wauwatosa — Bd. Pub. Wks., to Jacobus & Winding Concrete Constr. Co., 1 State St., improving Hillside Lane, 2,200 cu.yd. excav. at $0.50 per cu.yd., 2,930 sq.yd. concrete paving at $2.29, 4th Ave., 4,875 cu.yd. excav. $0.39 1,860 sq.yd. concrete paving $2.29, Rogers Ave., $2,350 sq.yd. concrete paving $2.34, and West Center St., 4,550 sq.yd. concrete paving $2.34; to Tex Constr. Co., 446 68th Ave., West Allis, grading 2,000 cu.yd. Rogers Ave. and 8,000 cu.yd. West Center St. at $0.38 per cu.yd.

Wis., Whitefish Bay (Milwaukee P.O.)—W. Volkmann, village clk., grading and concrete paving 19,029 sq.yd. various streets, to Reisinger & Co., 464 Oakland Ave., Milwaukee, $47,955. Noted Apr. 16.

Streets and Roads (Continued)

Wis., Shorewood (Milwaukee P. O.)—T. Olsen, village clk., improving various streets, 24,000 sq.yd. concrete paving to Dean Constr. Co., 382 East North Ave., at $2.40 per sq.yd.; and 9,000 cu.yd. excav., to Kroening Constr. Co., 39th Ave. and Mitchell St. at $0.50 and $0.70 per cu.yd. Noted Apr. 16.

Ia., Marion—Linn Co., grading 6.933 mi. Federal Aid Project 225, 138,428 cu.yd. excav., etc., to B. C. Johnson, Redwood, Minn., $35,126; drainage work on Red Ball Highway, to A. Elkwald, Emmetsburg, $2,962. Noted Mar. 19.

Minn., Buffalo—E. R. Anderson, aud. Wright Co., improving 7.4 mi. Job 2501, State Rd. 9, 85,361 cu.yd. earth, 225 cu.yd. loose and 225 cu.yd. solid rock excav., 31,957 cu.yd. overhaul, to Volden Bros., Milan, $26,923 and 3,156 lin. ft. 15- to 48-in. corrugated metal culverts, to Berger Mfg. Co., 1701 North-east Bway., Minneapolis, $5,000. Noted Apr. 9.

Minn., Wabasha—Comrs. Wabasha Co., F. J. Appel, aud., grading 70,000 cu.yd. Job 2501, State Rd. 2, 34,000 cu.yd. Job 2402A, State Rd. 8, and 6,000 cu.yd. Job 2502, to Nolan Bros., 18 2nd St. N., Minneapolis, $29,418. Noted Apr. 2.

Kan., Alma—Wabaunsee Co. will grade 13.295 mi. Southern Trail, 26 ft., by day labor. F. Itz, Alma, engr. Noted Apr. 2.

Kan., Kingman—Concrete bithulithic surfacing, curbing, sewering, etc. 14,096 sq.yds. Main St., to H. J. Taylor, Belleville, $41,307. Noted Apr. 23.

Kan., McPherson—For 3 in. brick on 5 in. concrete surfacing etc. 6,669 sq.yd. various streets to Geiger & Rutherford, Leavenworth, $26,488.

Neb., Minden—Vibrolithic concrete paving 13 blocks streets in various districts, to Abel Constr. Co., 318 Terminal Bldg., Lincoln, $45,286.

Neb., Nebraska City—City Clerk, asphaltic concrete paving 15,700 sq.yd. streets in Dist. 27, to Abel Constr. Co., 318 Terminal Bldg., Lincoln. Engrs. est. $63,200.

Neb., Omaha—F. Dewey, city clk., concrete paving 22,775 sq.yd. Rd. 31, to J. J. Parks Co., Elks Bldg., at $2.10 per sq.yd., 28,675 sq.yd. Rd. 48, to Metz Constr. Co., Omaha, $2.03 per sq.yd.; grading 17,000 cu.yd. Rd. 54, to G. W. Condon, 510 Farnam Bldg., at $0.219 per cu.yd.

Neb., Scottsbluff—Concrete paving 36,000 sq.yd. various streets in Dist. 4, to A. C. Smith, Scottsbluff, $90,600.

South Dakota—State Hy. Comn., Pierre, **(F. A. P. means Federal Aid Project)** to R. P. England, Murdo, grading 9.8 mi. F. A. P. 187C, Charles Mix Co., 425 cu.yd. solid, 4,202 cu.yd. loose rock and 75,404 cu.yd. common excav., etc. $39,326, 6.78 mi. F. A. P. 189B, Charles Mix Co., 54,543 cu.yd. common excav., etc. $21,760, to Tobin & Maloney, Madison, 12.05 mi. F. A. P. 188D, McCook Co., 89,274 cu.yd. common excav., etc. $33,777, graveling 7.47 mi. F. A. P. 50B, Sanborn Co., 11,211 cu.yd. gravel, etc. $7,873, 10.92 mi. F. A. P. 145, Beadle Co., 15,762 cu.yd. gravel, etc. $13,359, 9.03 mi. F. A. P. 186A, Davison Co., 13,546 cu.yd. gravel, etc. $10,317, 10.23 mi. F. A. P. 167A, Bon Homme Co., 15,351 cu.yd. gravel, etc. $12,565; to Diamond Eng. Co., Grand Island, Neb., grading 18.27 mi. F. A. P. 185E, Lyman Co., 816 cu.yd. loose rock and 93,557 cu.yd. common excav., etc. $42,528, to H. L. Hanson, Aberdeen, grading 11.63 mi. F. A. P. 191B, Clark Co., 1,114 cu.yd. loose rock and 106,954 cu.yd. common excav. $33,513, 10.8 mi. F. A. P. 171E, McPherson Co., 450 cu.yd. loose rock and 83,578 cu.yd. common excav., etc. $31,378, to E. B. O'Connell Constr. Co., Leola, 11.99 mi. F. A. P. 192A, McPherson Co., 825 cu.yd. solid and 4,005 cu.yd. loose excav., rock 97,047 cu.yd. common excav., etc. $32,565, to C. W. McNamara, Sioux Falls, 13.13 mi. F. A. P. 191F, Clark Co., 225 cu.yd. solid, 620 cu.yd. loose rock and 104,124 cu.yd. common excav., etc. $32,226, to Geddes & Miller, Ellendale, 8.07 mi. F. A. P. 188C, McCook Co., 285 cu.yd. rock and 56,622 cu.yd. common excav., etc. $29,217; to Sheehan & Joyce, Sioux Falls, graveling 6.45 mi. F. A. P. 104, Douglas Co., 9,682 cu.yd. gravel, etc. $6,201, 11.74 mi. F. A. P. 135, Douglas Co., 17,614 cu.yd. gravel, etc. $12,698, 6.88 mi. F. A. P. 147, Hutchinson Co., 10,318 cu.yd. gravel, etc. $5,743, to R. R. Wiley, Summit, 13.64 mi. F. A. P. 127 Hughes-Sully Counties, 16,368 cu.yd. gravel, etc. $15,345, 12.8 mi. F. A. P. 171A, Roberts Co., 19,200 cu.yd. gravel, etc. $13,090, to Wagner & Erling Co., Sioux Falls, 15.09 mi. F. A. P. 172A, Edmonds Co., 22,633 cu.yd. gravel, etc. $36,094, 15.6 mi. F. A. P. 95B, Hand and Faulk Counties, 23,397 cu.yd. gravel, etc. $14,768, 25.38 mi. F. A. P. 149ABC, Spink Co., 38,073 cu.yd. gravel, etc. $42,880, to H. Pickus, Constr. Co., Sioux City, Ia., 16.25 mi. F. A. P. 112 and 142, Brown Co., 24,388 cu.yd. gravel, etc. $39,386, 11.05 mi. F. A. P. 143, Marshall Co., 16,574 cu.yd. gravel, etc. $24,899. Grand total, $551,508. Noted Apr. 16.

Missouri—State Hy. Comn., Jefferson City, to A. Hood, Independence, 30 ft. grading 3.824 mi. and 2.86 mi. Leavenworth-Tracy Rd., Platte Co. $41,460 and $14,550 respectively, to A. W. Mosely, Kansas City, 3.504 mi. and 3.427 mi. Rochester-Union Star Rd., Andrew Co. $15,517 and $17,664 respectively, to Stites, Cook & Miles, Crocker, 3.428 mi. Mt. Grove-Dunn Rd., Texas Co. $21,601, 3.478 mi. Nansfield-Mountain Grove Rd., Wright Co. $13,270, to Summerfield Jones Co., Billings, 3,471 mi. Nansfield-Mountain Grove Rd., Wright Co. $16,852; to Newton Constr. Co., Columbia, 16 ft. gravel surfacing 4.102 mi. Winfield-Old Monroe Rd., Lincoln Co. $45,458, to J. A. Kerr, Ozark, 3.97 mi. road from Ozark north and south, Christian Co., $7,028, 2.64 mi. same road $6,975, 4.104 mi. same road $6,402, 2.944 mi. same road $15,324, 3.126 mi. road from Ozark south, Christian Co. $6,583, to M. E. Gillioz, Monett, 4,951 mi. Washburn-Seligman Rd., Barry Co. $18,351, 3.098 mi road from Seligman north and south, Barry Co. $11,483, 18 ft. concrete paving 1.281 mi. road from Galloway south, Greene Co. $16,586, 30 ft. grading 4.86 mi. Branch-Buffalo Rd., Dallas Co. $15,918, grading 1.281 mi. road from Galloway south, Green Co., $3,650; to T. L. Wright Lumber Co., Doniphan, 12 ft. gravel surfacing 1.405 mi. Doniphan-Poplar Bluff Rd., Ripley Co. $8,816, 2.756 mi. same road $19,017, grading 1.405 mi. same road $220; to Energy Coal & Supply Co., Poplar Bluff, 12 ft. gravel surfacing 4.179 mi. Doniphan-Poplar Rd., Butler Co. $27,047, 2.374 mi. Doniphan-Poplar Rd., Ripley Co. $16,515, to S. J. Graves & Sons Co., Minneapolis, Minn., 18 ft. gravel surfacing 3.733 mi. Fulton-North Bloomfield Rd., Gallaway Co. $13,416, 3.778 mi. same road, $14,446; to Davis Constr. Co., Boonville, 18 ft. concrete surfacing 4.339 mi. road from Columbia west, Boone Co. $58,646, 4.932 mi. same road, $74,478, grading 4.932 mi. same road $6,214, 4.339 mi. same road, $6,589; to A. A. Davis and E. S. Wells, Grain Exch. Bldg., Oklahoma City, Okla., 18 ft. concrete surfacing 2.278 mi. Levacy-Wellington Rd., Lafayette Co., $26,996, grading 2.278 mi. same road, $26,271; to Kaw Paving Co., 616 North East Bldg., Topeka, Kan., 18 ft. asphaltic concrete paving 3.502 mi. road from Springfield west, Greene Co., $61,740, 2.273 mi. same road $39,440, grading 2.273 mi. same road $6,713, 3.502 mi. same road $11,032; to Ziegler Bros., Junction City, Okla., 9 ft. concrete surfacing 4.978 mi. road from Rockport east $36,623, 1.76 mi. road from Tarkio south $12,348, 3.234 mi. Rockport-Fairfax Rd. $22,306, grading 4.978 mi. road from Rockport east $12,742, 1.769 mi. road from Tarkio south $2,059, 3.234 mi. Rockport-Fairfax Rd., $4,359, all foregoing in Atchison Co.; to B. Layton, Kirksville, 9 ft. concrete surfacing 2.19 mi. road from Princeton south $17,927, 3.78 mi. same road $30,738, 4.606 mi. road from Princeton north, $37,696, all in Mercer Co., 1.411 mi. road from Spickard north, Grundy Co. $11,528, grading 2.19 mi. road from Princeton south $7,296, 3.78 mi. road from Princeton south, $6,050, 4.606 mi. road from Princeton north $5,921, all in Mercer Co., 1.411 mi. road from Spickard north, Grundy Co., $2,733; to A. G. Sherwood, Independence, Kan., 18 ft. concrete surfacing 3.488 mi. road from Carthage east, Jasper Co. $57,098, 4.794 mi. same road $72,897, grading 3.488 mi. same road $11,414, 4.794 mi. same road $6,212; to Independence Constr. Co., Pittsburg, Kan., 18 ft. concrete surfacing 4.015 mi. road from Nevada north, Vernon Co. $63,300, 2.633 mi. Asbury-Joplin Rd., Jasper Co. $50,050, grading 4.015 mi. same road $15,385, 2.633 mi. same road $14,692; to C. G. Oglesby, Memphis, Tenn., 9 ft. concrete and 7 ft. gravel surfacing 3.056 mi. road from Risco east, New Madrid Co. $50,473, 3.182 mi. same road $57,390, grading 3.056 mi. same road $10,110, 3.182 mi. same road $13,374; to Lynch & McDonald, Moberly, 9 ft. brick on concrete surfacing 4.985 mi. Moberly-Cairo Rd., Randolph Co. $77,092, 2.525 mi. road from Jacksonville north and south $35,325, 4.994 mi. Cairo-Jacksonville Rd. $69,586, grading 4.985 mi. Moberly-Cairo Rd. $6,793, 4.994 mi. Cairo-Jackson Rd. $17,783, 2.525 mi. road from Jacksonville north and south $11,905, all foregoing in Randolph Co. Grand total $1,608,314. Noted Mar. 19.

Mo., St. Louis—Bd. Pub. Serv., 208 City Hall, **(C. B. means City Block)** to Parkinson Bros. Constr. Co., 3237 Carter Ave., alleys in **C. B.** 1187 $4,925, **C. B.** 1884 $7,233 **C. B.** 1885 $1,460, **C. B.** 2370-A $4,305, **C. B.** 2471 $2,049, **C. B.** 2,483 $2,787, **C. B.** 5479; to A. Lewald, Amherst Pl., alleys in **C. B.** 2806 $2,337, **C. B.** 4895 $3,419, **C. B.** 5157 $5,973, **C. B.** 5556 $4,331; to Skrainka Constr. Co., Security Bldg., alleys in **C. B.** 4057 $3,693, **C. B.** 5254 $1,568, **C. B.** 5278 $1,988, **C. B.** 5315 $3,195, **C. B.** 5505 $3,928, **C. B.** [illegible] $1,264; to Eyermann Constr. Co., [illegible] South Grand Blvd., alley in **C. B.** [illegible] $3,726. Grand total $58,124. City est. $60,975. Noted Mar. 26.

Mo., University—(Sta. St. Louis)—C. [illegible] Crane Wilmore Organization, Boatmen's Bank Bldg., St. Louis, improving University Park Subdivision, 24,000 lin.ft. 5 ft. concrete sidewalks, 28,000 lin.ft. concrete curb and gutter, 381,000 sq.ft. asphaltic penetration on concrete surfacing, etc., to A. Fleschner, 7055 Winona Ave.

Nevada—State Hy. Comn., Carson City, gravel surfacing 5.08 mi. Fallon-Grimes Ranch Rd., Churchill Co., to Tieslau Bros., Wells, $23,582. Noted Apr. 16.

Nevada—State Hy. Comn., Carson City, grading and gravel surfacing 10.25 mi road from point 12 mi. east of Dunphy to East County line, Eureka Co., to C. A. Robinson, Twin Falls, Idaho, $101,982; 12.2 mi. road from Dunphy to point 12 mi. east, Eureka Co., to J. N. Tedford, Fallon, $108,765.

Washington—State Hy. Comn., Olympia, concrete paving, etc. 80,698 sq.yd. Pacific Highway from Ferndale to Bellingham, State Rd. No. 1, Whatcom Co., to Miley & Fox, Everett, $198,719. Noted Mar. 26.

Wash., Seattle—Bd. Pub. Wks., to D. H. Traphagen, Walker Bldg., improving Waters Ave. et al, clearing and grubbing $2,000, 5,500 cu.yd. grading $0.70 per cu.yd. 47,200 sq.yd. concrete sidewalks $1.31, 1,600 ft. special concrete curbing $0.30, etc., total $95,869. Engrs. est. $102,463. Noted Apr. 9.

Wash., Seattle—Bd. Pub. Wks., concrete paving portions Warren Ave. et al, to R. G. Stevenson, 1327 North 34th St., $26,420; Aurora Ave. and North 46th St. et al, to Florito Bros., 3950 6th St. N. W., $43,878 and $176,797 respectively.

Calif., Fresno—Fresno Co., widening with concrete shoulders 5.9 mi. highway between point 2 mi. north of Fresno and Herndon, to Stewart & Bland, Fresno, $40,610. Engr. est. $42,676. Noted Apr. 9.

Calif., Los Angeles — Supervs. Los Angeles Co., grading, curbing, guttering and sheet asphalt paving 61,113 sq.yds. Anaheim Telegraph Rd., to South West Paving Co., 806 Washington Bldg., $123,000. Engrs. est. $141,500. Noted Apr. 13.

Calif., Redondo Beach — To O. Miracle, 227 Ave. D. waterbound macadam paving with 2 in. oil surface 124,929 sq.ft. Lucia Ave. Approximately $43,650.

Calif., Redwood City—To W. W. Thompson, Redwood City, scarifying and reshaping, crushed rock and asphalt oiled surfacing, etc. in Roosevelt Ave. $24,162.33.

Calif., San Francisco—State Bd. Harbor Comn., Ferry Bldg., 2 in. willite on bituminous paving, portion of Embarcadero between Howard and Washington Sts., to Fay Impvt. Co., Phelan Bldg., $45,213. Noted Apr. 2.

Calif., Santa Rosa—Grading and reconstructing portions of Polk, Orchard and A. Sts. to Clark & Henry Constr. Co. Chancery Bldg., San Francisco, to exceed $25,000. Noted Feb. 26.

Calif., Signal Hill—to Griffith Co., Railway Bldg., Los Angeles, concrete paving 105,000 sq.ft. State St. et al, approximately $145,150.

Ontario—Dept. Pub. Highways, Parliament Bldgs., concrete paving 3.92 mi. Contr. 1159, to King & Holmes, Oakville, $100,000, 4.8 mi. Contr. 1160, to W. H. Harvey & Sons, Deseronto, $125,000, 3.86 mi. Contr. 1162, to W. Steward, Preston, $100,000, 9.2 mi. Contr. 1163, to Johnson Bros., Brantford, $250,000, 4.05 mi. Contr. 1164, to P. Bergmann, Waterloo, $110,000; bituminous concrete paving 6.2 mi. Contr. 1166, to Dufferin Constr. Co., foot Bathurst St., Toronto, $200,000; macadamizing 4.48 mi. Contr. 1175, to A. H. Parker, Cornwall, $80,000; waterbound macadamizing 3.53 mi. Contr. 1176, to G. H. Bryson, Alisonville, $75,000; grading 1.77 mi. Contr. 1179, to J. Rodgers, 183 Forward Ave., Ottawa, and 5.5 mi. Contr. 1180, to D. G. Montgomery, South Woodslee.

Ontario—Dept. Pub. Highways, 110 University Ave., Toronto, concrete paving 6.91 mi. Contr. 1165, to Orr & Clark, 121 Carlaw Ave. $190,000, 6.35 mi. Contr. 1181, to Bate-McMahon Co., Central Chambers, Ottawa $175,000, 4.13 mi. Contr. 1188 to King & Holmes, Oakville $120,000, 2.91 mi. Contr. 1184, to P. Bergmann, King St., Waterloo $80,000, 1.64 mi. Contr. 1189, to Grant Bros. Constr. Co., Natl. Bank Bldg., Ottawa, $40,000; asphaltic concrete paving 5.8 mi. Contr. 1193, to Merlo, Merlo & Ray, Walkerville, $250,000; bituminous penetration macadam paving 3.6 mi. Contr. 1196, to V. E. Belanger, Hawkesbury $75,000, 4.5 mi. Contr. 1197, to H. T. Routly, 90 Jarvis St., Toronto, $85,000; waterbound macadam paving 2.6 mi. Contr. 1199, to E. Irvine Co. Ltd., Alexandria, $50,000; grading Belleville Bay Bridge, to McGinnis & O'Connors, Kingston, $20,000. Grand total $1,100,000.

Streets and Roads (Continued)

Ont., Toronto—To Dufferin Constr. Co., foot Bathurst St., asphalt paving Nelson St. $9,039, resurfacing Manning Ave. $2,874, and Nassau St. $7,230, to Dept. Pub. Wks., by day labor, Jersey Ave. $17,049, Laplante Ave. $19,010, Leslie St. $19,017, Mt. Stephen Ave. $27,035; to Constructing & Paving Co., Confederation Life Bldg., asphaltic concrete paving Inglewood Dr. $2,753, to Kilmer & Barber, 10 Adelaide St. E., Harriett Ave. $2,706; to Grant Contg. Co., 50 Front St. E., Hillside brick block paving 7th St. $6,128, concrete sidewalks on Tullus Dr., Yonge Blvd. Snowden and Teddington Park Aves., and Yonge St.; to Warren Bituminous Paving Co., 54 University Ave., bituminous concrete paving Huron St. $3,259; to Dept. Pub. Wks., by day labor macadam paving Harriett St. $2,135, 900 ft. concrete curbs on Huron, Jersey and Page Sts. $0.63, 7th St. $0.72; to F. Angotti, 819 St. Clarens Ave. concrete sidewalks on Durie St. and Regal Rd., to H. Mitchell, 464 Brock Ave., Melrose Ave., to A. Johnson, 17 Fairmount Crescent, Orchard View Blvd., Keystone and Moberley Aves., to P. Lacastro, 1423 Dufferin St., Old Orchard Grove and Willowbank Blvd.

Ont., Toronto — To Warren Bituminous Paving Co., 54 University Ave., Warrenite bitulithic paving Bingham Ave. $9,533, Coslain Ave. $4,342; to Kilmer & Barber, 10 Adelaide St. E., asphalt paving Hanson St. $7,572, to Contg. & Paving Co., Confederation Life Bldg., Glenrose Ave. $8,002, and section of Vincent St. $2,432, to Dept. Pub. Wks., by day labor, other section of Vincent St. $4,172; to Asphaltic Concrete Co., Excelsior Life Bldg., granite block paving Bloor St. subway $40,533; to D. Mackay, 287 Ashdale Ave., concrete curbing Hanson St.; to A. Johnson, 17 Fairmount Crescent, Grant Contg. Co., 50 Front St. E., T. E. Lane, 37 Yorkville Ave., H. Mitchell, 464 Brock Ave., D. Mackay, 287 Ashdale Ave., and Ramsay Contg. Co., 39 Indian Rd., 12,000 ft. 4 ft. 6 in. to 8 ft. concrete sidewalks on various streets. Grand total $76,586.

British Columbia—Dept. Pub. Wks., Victoria, clearing and grading, 4 mi. highway through Fraser Canyon, in Yale and Cariboo Dists., to R. Leighton, Savona, $34,000.

Buildings—Industrial

PROPOSED WORK

Mass., Danvers — FIRE STATION and MACHINE REPAIR SHOP—Fire Dept. having revised plan prepared by Stebbins and Watkins, Archts., 164 Federal St., Boston, 2½ story and basement, 35 x 45 ft., 14 x 15 ft., rein.-con. and brick, Florence and High Sts. Former bids rejected. Noted Apr. 2.

Mass., Lynn — SHOP and GARAGE — City, c/o R. F. Handy, City Hall, having plans prepared 2 story, 50 x 150 ft., concrete plain foundation, Bennett St. $80,000. Private plans.

Mass., Quincy—MANUFACTURING—L. Grossman & Sons, 22 School St., plans 2 story and basement, 100 x 300 ft., timber, at Edwards Meadows. $100,000. Engineer and architect not selected.

Mass., Springfield — SUB-STATION — United Electric Light Co., L. J. Scott, genl. mgr., 73 State St., having plans prepared by McClintock & Craig, archts. and engrs., 33 Lyman St., 2 story, brick and steel, Wilbraham Ave. $150,000.

Pa., Phila.—PLANT—Harris & Richards, Archts., Drexel Bldg., soon lets contract southeast and northwest extensions to Building 4 1 story and gallery 120 x 250 ft., 23 x 142 ft. wings, 15 x 250 ft. train shed and 50 x 58 ft. dry kiln., rein.-con. and brick, plain foundation, Elmwood Ave. between 68th and 70th Sts., for General Electric Co., Witherspoon Bldg. Noted June 5.

Pa., Pittsburgh—PLANT—Builders Steel Wks. Co., 4130 Liberty Ave., plans 1 story, brick and steel plant, Howley St. $50,000. Private plans.

W. Va., Weirton—TUBE MILL, etc.—Weirton Steel Co. plans tube mill and 1 mi. of docks on Ohio River front.

N. C., Chapel Hill—HEATING PLANT and LAUNDRY—State University plans heating plant and laundry. $125,000. Atwood & Nash, Chapel Hill, engrs.

Ga., Cordova — FACTORY — Stephenson Brick Co., c/o L. L. Stephenson, pres., 2716 Hanover Circle, Birmingham, Ala., plans brick factory, here. $300,000.

O., Sebring—PLANT—Limoges China Co. plans brick, steel and concrete plant addition to form decorating department. $40,000.

O., Sebring—POTTERY—Sebring Pottery Co., plans brick, steel and concrete plant additions. $50,000.

Ill., Joliet—FACTORY—Gerlach-Barklow Co., J. C. Flowers, treas., Washington and Richards Sts., plans 3 story and basement, 75 x 100 ft. factory, Washington and Richards Sts. $150,000. Engineer and architect not selected.

Minn., Moorhead—PLANT—Election May 14, $135,000 bonds to purchase site and construct new municipal light plant in business section.

Minn., St. Paul—SHOP—Northern Pacific Railway Co., Railway Bldg., having plans prepared by O. M. Rognan, 1228 Railway Bldg., 2 story, 50 x 112 ft. commissary building, 1 story, 40 x 100 ft. pullman building, 1 story, 40 x 97 ft. storehouse, 1 story, 40 x 96 ft. battery building, 1 story, 40 x 40 ft. carshop, etc., all brick and steel, East 3rd and Commercial Sts. $85,000.

Kan., Salina — PLANT and WAREHOUSE—Shellabarger Milling Co. plans rebuilding warehouse, mixing and tempering plant, recently destroyed by fire. $100,000.

Tex., San Angelo — ICE PLANT — West Texas Utilities Co. takes bids after May 12, 70 ton capacity ice plant. $60,000. Adams & Adams, Gibbs Bldg., San Antonio, engrs.

Okla., Cherokee—POWER PLANT—City having preliminary plans prepared new 500 hp. oil engine electric light plant to replace present steam plant. $50,000. Engineer and architect not announced.

Okla., Dawson — CEMENT PLANT — Tulsa Cement Block Co., 104 North Boulder St., made plans new Portland cement plant and mill, here. $1,500,000. E. Clark Co., Monadnock Block, Chicago, Ill., engrs.

Okla., Kingfisher—COTTON COMPRESS—Fredericks Seed Farms plans brick and steel cotton compress. $75,000. Engineer and architect not selected.

Wash., Oroville — POWER PLANT — Okanogan Light & Power Co., plans power and irrigation plant, incl. 200 ft. dam, 70 ft. wide and 60 ft. high, to develop 20,000 hp. E. J. Broderick, company engr. $350,000.

Ore., Portland—FACTORY and WAREHOUSE—I. F. Powers, pres. I. F. Powers Furniture Co., 3rd and Yamhill Sts., having plans prepared by Clausen & Clausen, McClay Bldg., and takes bids about May 20, 5 story, 100 x 200 ft., rein.-con., Davis St. $250,000. J. H. Keller, Worcester Bldg., engr.

Ont., New Liskeard — FACTORY — C. Orser plans new canning factory. $40,000.

BIDS DESIRED

Pa., Phila.—SHOP—B. Ridgeway & Son, 9th and Columbia Sts., will build 1 story, 18 x 120 ft., and 22 x 140 ft., plain foundation, Clarissa and Bristol Sts. Work will be done by separate contracts. Private plans.

Md., Baltimore—BAKERY—General Baking Co., 342 Madison Ave., New York City, having plans prepared 2 or 3 story, rein.-con. and brick, plain foundation, Harford and North Aves. $300,000. Private plans.

Va., Roanoke—PLANT—May 19, by Ballinger Co., archts., 12th and Chestnut Sts., Phila., Pa., 1 and 2 story and basement, 198 x 582 ft., rein.-con. and brick addition, plain foundation, on premises located on Roanoke River, near here, for Viscose Corp. of Virginia, Marcus Hook, Pa.

Wis., Marinette — SUBSTATION — Menominee & Marinette Light & Traction Co., Menominee, Mich., taking bids 2 story, 40 x 70 ft., brick and concrete, plain foundation, here. $40,000. Derrick Hubert, Menominee, Mich., engr.

Wis., Waukesha — PLANT — H. C. Haeuser, archt., 445 Milwaukee St., Milwaukee, taking bids 2 story and basement, 60 x 118 ft., hollow tile and concrete addition to bottling plant, plain foundation, here, for Waukesha Silurian Water Co. $40,000.

Kan., Maryville—PLANT—Armour & Co., 208 South La Salle St., Chicago, plans rebuilding packing plant, recently destroyed by fire, here. $150,000.

Mo., St. Louis — FACTORY — Multiplex Faucet Co., 22nd and Cass Aves., taking bids 2 story and basement, 80 x 200 ft., rein.-con. and brick, Duncan Ave. $75,000. W. P. McMahon, Buder Bldg., archt.

CONTRACTS AWARDED

Me., Rumford — PLANT — Oxford Paper Co., 1 story, 80 x 130 ft., brick and steel addition, to F. A. Rumery & Co., 537 Congress St., Portland. Archts. est. $50,000.

Mass., Chicopee — MANUFACTURING — Asinol & Sons Mfg. Co., Inc., 29 Worthington St., 4 story, 40 x 130 ft., brick and timber, Worthington St., to J. G. Roy & Son, 21 Silver St., Springfield. Archts. est. $80,000. Noted Apr. 30.

Mass., Fitchburg—MILL—Crocker, Burbank & Co., 548 Westminster St. 2 story, 60 x 255 ft. extension to Machine Mill 8 to Wiley & Foss, Central St.

Mass., Monson — PLANT — A. D. Ellis Mills, Inc., 1 and 2 story, 91 x 125 ft., rein.-con., brick and steel power and manufacturing building to contain boiler house, dye house, engine room and wool sorting room, to McNally Building Co., Concord Ave., Framingham. Archts. est. $50,000. Noted Apr. 30.

Mass., Reading — FACTORY — Dennison Organ Pipe Co., 2 story, 35 x 110 ft. with 38 x 38 ft. wing brick and steel addition to Austin Co., 120 Bway., New York City. Archts. est. $40,000.

N. Y., Long Island City—FACTORY—T. A. B. Building Constr. Corp., 110 West 40th St., New York City, 8 story, 100 x 200 ft., rein.-con. and steel, plain foundation, Graham Ave. between 14th and 15th Aves., here, to Barney-Ahlers Constr. Corp., 110 West 40th St., New York City. Archts. est. $800,000.

N. Y., Long Island City—HOUSING STATION—M. E. Connolly, pres. Queens Boro., Queens Subway Bldg., housing station, 62nd Rd. and 94th St., to Werner Mitchell Inc., 1 De Kalb Ave., Brooklyn, $71,394. Noted Apr. 16.

Pa., Connellsville—WAREHOUSE—West Penn Railways Co., West Penn. Bldg., Pittsburgh, will build 2 story and basement, 60 x 420 ft., brick, steel and concrete, by day labor. $100,000. Private plans.

Pa., McDonald—PLANT—McDonald File & Steel Co., McDonald, 1 story, 45 x 360 ft., brick and steel, to J. B. Masqueiles, McDonald. Archts. est. $100,000.

Pa., New Hope—BOILER HOUSE—Union Mills Paper Co., Bridge St., 2 story and basement, 42 x 49 ft., rein.-con. and brick, plain foundation, to F. B. Davis & Son, 240 North 16th St., Phila.

Pa., Phila. — FACTORY — H. C. Pedley, Corn Exch. Bldg., 1 story, 200 x 220 ft., brick and steel, plain foundation, Towesdale Ave. and N St., to Nelson-Pedley Co., Corn Exch. Bldg. Mack International Motor Truck Co., 42nd and Woodlawn Sts., lessee.

Pa., Phila.—SHOP and OFFICE—Carson & Carson, archts., 22 South 15th St., 1 story, 60 x 202 ft., brick, plain foundation, Tioga Witte and Sepviva Sts., to Thompson-Lockhart Co., 6 South 40th St. for Cattle Bros. Corp., 1712 North 9th St.

Pa., Phila.—PLANT—O'Brien Cooperage Co., Wharf Lane and Walter St., 2 story and basement, 60 x 107 ft., brick, plain foundation, to F. A. Havens Co., 845 North 19th St. Archts. est. $40,000.

Pa., Pittsburgh—CREAMERY—Fairmont Creamery Co., 100 25th St., 5 story and basement, 24 x 99 ft., brick and hollow tile, 25th and Smallman Sts., to E. Wehr, Hiland Bldg. Noted Apr. 30.

Fla., Hialeah — ICE PLANT — Royal Palm Ice & Refrigerating Co., Miami Beach, ice plant, here, to G. S. Symmonite Constr. Co., Miami, $250,000.

Fla., Miami Beach—ICE PLANT—Royal Palm Ice & Refrigerating Co., Miami Beach, ice plant to G. S. Symmonite Constr. Co., Miami $175,000.

Wis., Green Bay — COLD STORAGE — Northern Cold Storage Co., North Bway., 1 story and basement, 82 x 180 ft., brick and concrete, plain foundation, Bway., to L. M. Hansen Co., 113 West Walnut St. Archts. est. $50,000.

Wis., Madison — PLANT — J. Heilprin Fruit Co., West Mifflin St., 2 story and basement, 66 x 120 ft., cold storage and fruit plant, rein.-con., brick and steel, Wilson St., to Wells Constr. Co., 1136 Lumber Exch. Bldg., Minneapolis, Minn. $50,000. Archts. est. $40,000. Noted Apr. 23.

Wis., Milwaukee — PLANT — Empire Fish Co., 2417 Vliet St., 2 story, 30 x 40 ft., brick and timber refrigerating plant, plain foundation, Vliet St., to A. W. Riesen, 961 North Water St. Archts. est. $40,000.

Wis., New London—CANNERY—Hamilton & Sons Caning Co., 3 story, brick and timber addition, plain foundation, to Thomas Constr. Co., New London. Archts. est. $45,000.

Wis., West Bend — CANNERY — West Bend Canning Co., 2 story, 52 x 128 ft., brick and timber addition, plain foundation, to J. Willkom, West Bend. Engrs. est. $45,000.

Mo., St. Louis—FACTORY—Anhauser-Busch, Inc., 9th and Pestalozzi Sts., 1 story and basement, 113 x 125 ft., brick and concrete addition, 2838 South 3rd St., to W. Green, 3131 South Bway. Archts. est. $40,000.

Mo., Trenton — GAS PLANT — Trenton Gas & Electric Co., gas plant extension, to General Eng. & Management Corp., 165 Bway., New York City, N. Y. Engrs. est. $185,000.

Calif., Los Angeles—FACTORY—United Furniture Mfg. Co., 225 Stimson Bldg., 2 story, 40 x 165 ft., timber annex, 59th St., to J. H. Heckman, 216 West 84th Pl.

Calif., Los Angeles—PLANT—Alfred Ice Cream Co., 817 East 18th St., 2 story, basement, 45 x 100 ft. ice cream plant, brick,

Buildings—Industrial (Continued)

East 18th St., to J. F. Kuhns, 175 West 37th Pl., $45,000.

Calif., Los Angeles — FACTORY, etc. — Southwest Hardware Co., 4807 2nd Ave., 2 story, 80 x 140 ft., rein.-con. factory and warehouse, Atlantic St., to Bavin & Burch, 173 East Jefferson St.

Calif., Oakland — POWER HOUSE — Alameda Co., power house, etc., to J. Branagh, 184 Perry St., $153,000.

Calif., Wilmington—PLANT—Harbor Ice Co., ice manufacturing plant, Lagoon Ave., to R. E. Campbell, 302 East Anaheim St., Long Beach, $42,000.

Buildings—Commercial

PROPOSED WORK

Mass., Arlington (Br. of Boston)—THEATRE—J. E. Locatelli, 151 Highland Ave., Somerville, having preliminary plans prepared 1 and 2 story, brick. Lake St. and Massachusetts Ave. $150,000. Private plans.

Mass., Boston — APARTMENT — Thirty-two Beacon St. Trust, c/o Street & Co., 185 Devonshire St., having preliminary plans prepared by Putnam & Cox, 114 State St., 6 story and basement, brick, 32 Beacon St. To exceed $150,000.

Mass., Springfield — APARTMENT — W. Lay, Inc., Bridge St., plans apartment, Main and Plainfield Sts. $1,000,000. Engineer and architect not selected.

Mass., Springfield — EXCHANGE — New England Telephone & Telegraph Co., 295 Worthington St., having plans prepared by R. C. Sturgis, 120 Boylston St., Boston, 3 story, brick and steel addition. $300,000.

Mass., Springfield—HOSPITAL—Wesson Maternity Hospital, High St., plans brick or limestone hospital addition. $400,000.

Mass., Springfield—OFFICE—A. Romano, 29 Locust St., having sketches made by W. E. Dibble, 317 Main St., 4 story, brick and steel, State St. $150,000. Noted Mar. 12.

Mass., Springfield — OFFICE — Tarbel-Watters Co., 166 Chestnut St., plans 5 story, brick and steel, Chestnut St. $180,000. H. L. Sprague, 318 Main St., archt.

Mass., Springfield — THEATRE — H. Cohen, 36 Kenwood Terrace, having plans prepared by J. W. Foster, 105 Bridge St., 2 story, 95 x 125 ft., brick and steel, Oakland St. $150,000.

Conn., New Haven — APARTMENT — Cooney Bros., High St., having plans prepared by L. J. Julianelle, 42 Church St., 6 story, 125 x 128 ft., brick and steel, High St. $300,000.

Conn., Willimantic—HOTEL—Community Hotel Corp., W. P. Jordan, pres. Bd. Directors 228 North St., having plans prepared by G. B. Post & Son, 101 Park Ave., New York City, modern hotel, Main St. $350,000. Noted Feb. 19.

N. Y., Brooklyn—APARTMENTS—Siris & Cohen, c/o Shampan & Shampan archts. and engrs., having plans prepared two 6 story and basement, brick, steel and stone, plain foundation, Eastern Parkway. $750,000 each.

N. Y., New York—APARTMENT—Sommerfeld & Sass, archts. and engrs., 31 Union Sq., preparing plans 6 story, brick, steel and stone, plain foundation, Sherman Ave. $200,000. Owner's name withheld.

N. Y., New York—APARTMENT—Simon Bros., 50 East 42nd St., having plans prepared by J. M. Felson, archt. and engr., 250 West 57th St., 15 story, brick, steel and stone, plain foundation, 93rd St. and West End Ave.

N. Y., New York—APARTMENTS—J. O'Leary, c/o J. P. Boyland, archt., and engr., 120 East Fordham Rd., having plans prepared 5 story, brick, steel and stone, plain foundation, West 165th St. $150,000 each.

N. Y., New York—APARTMENT—Courtland Bishop Corp., c/o Carrere & Hastings, archts., 52 Vanderbilt Ave. having plans prepared, brick, steel and stone, plain foundation, 6th Ave. and 55th St. $1,500,000.

N. Y., New York—APARTMENT—Garment Workers' Union, 3 West 16th St., takes bids about June 1, 5 story, brick, steel and stone, plain foundation, 158th St. and Sheridan Ave. $1,500,000. A. J. Thomas, 15 East 47th St., archt. and engr. Noted Apr. 30.

Pa., Ardmore—APARTMENT—McKenzie & Wiley, archts., Bankers Trust Bldg., Phila., preparing plans 4 story and basement, brick and steel apartment, plain foundation, here. $700,000. Owner's name withheld.

Pa., Bala — APARTMENT — Apartment Building Co., c/o R. G. Pratt, archt., Franklin Trust Bldg., Phila., plans brick and steel, plain foundation, $150,000.

Pa., Drexel Hill—APARTMENT HOTEL—R. Beard, archt., 2120 Lambert St., Phila., preparing plans 5 story, brick and steel, plain foundation, Drexel Hill Plaza. $1,250,000. Owner's name withheld.

Pa., Overbrook—APARTMENT—R. G. Pratt, archt., Franklin Trust Bldg., Phila., soon lets contract 4 story and basement, 45 x 100 ft., brick and steel, plain foundation, Drexel Rd. and Upland Way. $150,000. Owner's name withheld.

Pa., Phila. — APARTMENT — W. A. Brady, c/o Lippincott & Schaef, archts., 11 South 16th St., having plans prepared 4 story and basement, 140 x 148 ft., and 48 x 90 ft., brick and steel, plain foundation, 63rd and Lebanon Sts. $500,000.

Pa., Phila. — APARTMENT — R. Beard archts., 2120 North Lambert St., soon takes bids, 4 story and basement, 50 x 166 ft., brick and steel, plain foundation, 7013 Torresdale Ave., for B. Miller, 614 Commonwealth Bldg. $200,000.

Pa., Phila.—EMERGENCY BUILDING—Emergency Aid of Phila., J. W. Martin, acting chn., 21 Walnut St., plan 420 room, brick and steel dormitory, Rittenhouse Sq. Dist. $850,000. Architect's name withheld.

Pa., Wilkensburg—THEATRE—Colonial Amusement Co., 913 Wood St., having plans prepared by V. A. Rigamount, State Theatre Bldg., Pittsburgh, 3 story and basement, 83 x 132 ft., brick and steel, Pennsylvania Ave. $250,000.

Md., Baltimore—LODGE and STORE—Knights of Pythias, R. L. Lee, chn. building comn., 129 North Gay St., having plans prepared by C. N. and N. Friz, Lexington Bldg., 4 story and basement, 82 x 150 ft., brick and steel, plain foundation, Charles and Preston Sts. $250,000.

D. C., Wash.—APARTMENT—B. S. Simmons, archt., 1013 15th St., N. W., prepared plans apartment. $700,000. Owner's name withheld.

N. C., Kinston—HOTEL—Kinston Chamber of Commerce Hotel Co., plans 10 story and basement hotel. $220,000.

N., C., Winston-Salem—COURT HOUSE—Bd. Comrs. Forsyth Co., having plans prepared remodelling and constructing 1 story court house addition. $250,000. O. B. Eaton, Winston-Salem, Chn. Engineer and architect not announced.

La., Shreveport—APARTMENT HOTEL—Wittenberg, Delony & Watts, archts., Southern Trust Bldg., Little Rock, Ark., preparing plans and take bids about May 12, 7 story and basement, brick, terra cotta and rein.-con., Margaret Pl. and Elizabeth St., here, for T. P. Florida, Hall Bldg., Little Rock, Ark., and E. J. Tiggrett, 80 Madison Ave., Memphis, Tenn., and associates. $500,000. Noted Apr. 23.

Tenn., Memphis—WAREHOUSE—Crane Co., Court and 4th Sts., F. A. Duncan, local mgr., having plans prepared by C. P. Pfeil & G. Awsumb, Fidelity Bank Bldg., 2 story and basement, 62 x 165 ft., concrete and brick, Bway. and Florida Sts. $150,000.

O., Cleveland—CREMATORY, etc.—City, W. R. Hopkins, city mgr., City Hall, having preliminary plans prepared by H. Kregelius, City Hall, 1 and 2 story, brick steel and concrete crematory, comfort stations and vaults in various parks and cemeteries. $200,000.

O., Fostoria—HOTEL—Ermine Hotel, Inc., having sketches made by Millott & Parker, Sandusky, 4 story and basement, 80 x 125 ft., rein.-con. and brick hotel. $200,000.

Mich., Detroit—LODGE and OFFICE—Prince Hall Masonic Assn., B. Tenick, chn. building com., c/o H. W. Dorst, archt., 3228 Burlingame Ave., having plans prepared 3 story and basement, 60 x 90 ft., brick, steel and stone, plain foundation, St. Antoine St. $150,000.

Mich., Detroit—THEATRE—J. I. Weinberg, archt., 401 Congress Bldg., preparing plans 2 story and basement, 110 x 170 ft., rein.-con., brick and steel, plain foundation, in northwest section. $225,000. Owner's name withheld.

Ill., Chicago — APARTMENT — C. H. Daemicke, 6435 Kimbark Ave., having plans prepared by T. R. Bishop, 35 South Dearborn St., 3 story and basement, 150 x 220 ft., rein.-con., brick and stone plain foundation, 6446 Kenwood St. $400,000.

Ill., Chicago — APARTMENT — Owner, c/o T. R. Bishop, archt., 35 South Dearborn St., having plans prepared 3 story and basement, 145 x 161 ft., rein.-con., brick and stone, plain foundation, Dante and 70th Sts. $300,000.

Ill., Chicago—APARTMENT—H. Zisook, 6132 Eberhart Ave., having plans prepared by T. R. Bishop, 35 Dearborn St., 5 story and basement, 75 x 136 ft., 5800 Harper St. $400,000.

Ill., Chicago — BANK — Home Bank & Trust Co., 1231 Milwaukee Ave., had plans prepared by K. M. Vitzthum & Co., archts. and engrs., 605 North Michigan Ave., 6 story and basement, 100 x 300 ft., rein.-con., brick and terra cotta, plain foundation, Ashland and Division Sts. $750,000.

Ill., Chicago — CLUB — Chicago Community Club, c/o W. H. Smith, 122 South La Salle St., having sketches made by K. M. Vitzthum & Co., archts. and engrs., 605 North Michigan Ave., 18 story and basement, 100 x 150 ft., rein.-con., brick and stone, caisson foundation, La Salle St. $3,000,000.

Ill., Chicago—CLUB—I. O. O. F., F. Hand, ch. ranger, 77 West Washington St., having plans prepared by Doerr, Lindquist & Doerr, 7 West Madison St., 4 story and basement, 62 x 150 ft., rein.-con. and brick, plain foundation, 1016 West Dearborn St. $250,000.

Ill., Chicago—HOTEL—C. H. Daemicke, 6435 Kimbark St., having plans prepared by T. R. Bishop, 35 South Dearborn St., 3 story and basement, 75 x 244 ft., rein.-con., brick and terra cotta, plain foundation, 6600 Woodlawn St. $375,000.

Ill., Chicago — HOTEL — Matteson & Weise, 565 Diversey Parkway, having sketches made by Hooper & Janusch, engrs. and archts., 879 North State St., 8 story and basement, 112 x 124 ft., rein.-con., brick and stone, caisson foundation, Webster and Sedgwick Sts. $1,000,000.

Ill., Chicago—HOTEL—Mittelman Bros., c/o R. C. Harris, archt., 190 North State St., had plans prepared 5 story and basement, rein.-con., brick and stone, plain foundation, Arlington St. $750,000.

Ill., Chicago — MERCANTILE — Parke, Davis & Co., 2951 Atwater St., Detroit, Mich., plans 12 story and basement mercantile building, Randolph and Franklin Sts., here. $1,000,000. Engineer and architect not selected.

Ill., Decatur — ARMORY — State Dept. Pub. Wks., Capitol Bldg., Springfield, plans armory, here. $310,000. W. J. Lindstrom, State Capitol, Springfield, acting state archt.

Ill., Elgin—WARD—State Dept. Pub. Wks., Capitol Bldg., Springfield, having plans prepared by W. J. Lindstrom, acting state archt., Capitol Bldg., Springfield, 1 story and basement, rein.-con. and brick, plain foundation, here. $200,000.

Ill., Waukegan—CLUB HOUSE—L. O. O. M., W. Scott, dictator, plans 3 story and basement, 68 x 200 ft. club house, Washington St. $150,000. Engineer and architect not selected.

Wis., Milwaukee—OFFICE and STORE—R. T. Maischoss, 477 Menlo Blvd., plans 12 story and basement, 120 x 120 ft., brick and concrete or brick and steel, plain foundation, Wisconsin St. $800,000. Engineer and architect not selected.

Wis., Racine—HOTEL and ARCADE—D. S. Komiss Co., D. S. Komiss, pres., 301 South State St., Chicago, Ill., having plans prepared by H. J. Burns, 605 North Michigan Ave., Chicago, Ill., 9 story and basement, 100 x 300 ft., rein.-con., brick and steel hotel and arcade addition. $300,000. K. M. Vitzthum & Co., 605 North Michigan Ave., Chicago, Ill., engrs. Noted Mar. 19.

Minn., Hopkins — HOSPITAL — Comrs. Hennepin Co. plan 3 story, rein.-con. and brick hospital on County Poor Farm. $225,000 bond sale authorized. Engineer and architect not selected.

Minn., St. Paul — HOSPITAL — Ramsey Co. Bd. Control, Court House, rejected bids Apr. 16, 4 story and basement, 150 x 160 ft., rein.-con., brick and stone addition, Jefferson and Colburn Sts. $400,000. Will readvertise. Noted May 7.

Kan., Topeka—STATION—Union Pacific R.R. Co., 1416 Dodge St., Omaha, Neb., having plans prepared by G. S. Underwood, I. W. Hellman Bldg., Los Angeles, Calif., railway station and freight departments, here. $500,000-$1,000,000. R. L. Huntley, ch. engr.

Mo., Butler — HOSPITAL — Bates Co. plans election soon, $185,000 bonds for hospital.

Mo., Kansas City — APARTMENT HOTEL—F. L. Eberhardt, Salina, Kan., having plans prepared by S. M. Hitt, Huntzinger Bldg., 1 story and basement, 9,000 sq.ft. ground area, Armour and Charlotte Sts. $750,000.

Mo., Kansas City — APARTMENT HOTEL—J. J. Smolinsky, 4600 Virginia Ave., plans 7 story, 70 x 140 ft. brick,

Buildings—Commercial (Continued)

Armour and Tracy Sts. $400,000. Engineer and architect not selected.

Mo., Kansas City—SALES—Schutte Investment Co., c/o V. E. Schutte, 1742 Jefferson St., having plans prepared by R. H. Sanneman, Lee Bldg., 3 story and basement 21,400 sq.ft. floor space, rein.-con. and plain foundation, 26th and Grand Sts. $150,000.

Mo., Kansas City—STORE, GARAGE and DANCE HALL—Winter Garden Corp. c/o G. H. Sledhoff, Baltimore Hotel, having plans prepared by Shepard & Wiser, 1208 R. A. Long Bldg., 3 story and basement, 108 x 157 ft., rein.-con., plain foundation, 14th and Baltimore Sts. $400,000.

Mo., Kansas City—THEATER—E. E. Werner, 3360 Gillham Rd., having plans prepared by Boller Bros., 114 West 10th St., 1 story, basement and balcony, 60 x 235 ft., rein.-con., terra cotta and brick, plain foundation, 3827 Main St. $150,000.

Tex., Dallas—GARAGE—Sanger Bros. Dry Goods Co., Main and Lamar Sts., having plans prepared by J. A. Pitzinger, 807 Southwestern Life Bldg., 5 story and basement, 100 x 100 ft., rein.-con., brick, steel and stone, Elm and Austin Sts. $150,000.

Tex., Dallas—OFFICE—Methodist Episcopal Church South, c/o Lamar & Barton, 1308 Commerce, plans 14 story and basement office building, in business section. To exceed $500,000. Engineer and architect not selected.

Tex., Hereford—HOTEL—Chamber of Commerce, c/o A. Overton, pres., plans hotel. $150,000. Engineer and architect not announced.

Tex., Houston — MARKET — City, c/o O. F. Holcombe, mayor, having plans prepared for market between Smith St. and Franklin Ave. Bridges. $350,000 bonds voted. J. C. McVea, city engr.

Tex., San Antonio — OFFICE and THEATRE—J. Oppenheimer, 309 Madison St., et al., takes bids after May 16, 6 story and basement, 110 x 160 ft., rein.-con., brick and stone, plain foundation, St. Marys and Commerce Sts. $1,500,000.

Colo., Grand Junction—HOTEL—Argonaut Hotel Assn., Wichita, Kan., c/o M. Y. Charles, archt., 601 Schwartzer Bldg., Wichita, Kan., having plans prepared 5 story and basement, 95 x 125 ft., rein.-con., brick and tile. $300,000.

Calif., Los Angeles—HOSPITAL—Franciscian Sisters, 1223 Santee St., having preliminary plans prepared by A. C. Martin, Higgins Bldg., 7 story and basement, brick, steel and hollow tile, Waterloo St. and Bellevue Ave. To exceed $250,000.

Calif., Los Angeles—HOTEL, etc.—Sun Realty Co., 742 South Hill St., having plans prepared by Curlett & Beelman, 408 Union Bank Bldg., 13 story and basement, 122 x 150 ft. hotel and store building, 7th and Hartford Sts., $1,000,000; also 13 story and basement, 87 x 113 ft. hotel and store building, 7th and Lebanon Sts., $900,000, both rein.-con.

Calif., Los Angeles—HOTEL—Y.W.C.A., 941 South Figueroa St., had preliminary plans prepared by Stanton, Reed & Hibbard, 622 Metropolitan Bldg., 12 story and basement, 72 x 170 ft., hotel. $900,000.

Calif., Pasadena—MAUSOLEUM—Mountain View Mausoleum Assn., Pacific South West Bank Bldg., had plans prepared by C. L. Jay, 845 East Washington St., 200 x 300 ft., rein.-con. mausoleum, North Marengo St. $400,000. C. E. Bryan, genl. mgr.

Calif., Yreka—HOSPITAL—Siskiyou Co. had plans prepared by G. C. Sellon & Co., California State Life Bldg., fireproof hospital. $150,000. Noted Feb. 6.

Ont., Ottawa — APARTMENT — H. C. Church, 196 Elgin St., plans 60 x 130 ft. apartment house, Elgin St. $450,000. Engineer and architect not selected.

Ont., Toronto — CLUBHOUSE — Toronto Hunt Club, Eglinton Ave., having plans prepared by V. Chadwick, 132 Church St., 2 story and basement, rein.-con., brick and steel, Orchard View Blvd. $200,000.

Ont., Toronto—COLISEUM—City having plans prepared by J. J. Woolnough, City Hall, 2 story, rein.-con., brick and steel addition, plain foundation, Exhibition Park. $250,000.

BIDS DESIRED

Mass., Boston—HOME—Beth Israel Hospital, 45 Townsend St., Roxbury, taking bids 4 story and basement, 40 x 127 ft. nurses home, with 40 x 37 ft. wing, brick and stone, plain foundation, Brookline and Longwood Aves., Back Bay Dist., here. Densmore, LeClear & Robbins, Park Sq. Bldg. Boston, archts.

Mass., Boston—STORE and OFFICE—Frankel, 162 Main St., Charlestown taking bids 4 story and basement, 50 x 90 ft., brick and stone, 152 Main St., here. $150,000. Douglas, 393 Bway., Cambridge, archt.

Mass., Cambridge — APARTMENT — Owner c/o H. F. Kellogg, archt., 110 Summer St., Boston, taking bids 5 story and basement, 50 x 90 ft., brick and stone, plain foundation, Dana St., Massachusetts Ave. and Dana St. $150,000.

Mass., Jamaica Plain (Boston P. O.)—NURSES HOME—Faulkner Hospital, C. J. Nichols, pres. ,taking bids 4 story and basement 40 x 130 ft., brick and stone nurses home, plain foundation. $160,000. O. A. Thayer, 89 Franklin St., Boston, archt.

Mass., Malden—STORE and OFFICE—J. Ruderman & Son, 57 Ferry St., taking bids 2 story and basement, 45 x 140 ft., rein.-con. and brick, Ferry St. $150,000. C. F. Springall, 50 Concord St., archt. Noted Apr. 16.

Mass., Northampton — HOME — White Eagles Home, c/o J. W. Sliwa & Co., archt., 56 Main St., taking bids 3 story and basement, 75 x 80 ft., brick and stone, Strong and Pearl Sts. $150,000.

Mass., Somerville (Boston P. O.) — STORE and OFFICE—Hillson Associates, c/o J. A. Quirk, archt., 10 Tremont St., Boston, taking bids 2 story and basement, 80 x 100 ft., brick and stone, Bway. and Boston Ave. $150,000.

R. I., Newport—HOTEL—Day & Zimmerman, Inc., engrs. and constr. mgrs., 1600 Walnut St., Phila., will build 5 story and basement, 72 x 151 ft., rein.-con., brick and steel, plain foundation, Church, Toura and Bellevue Sts., here, for Community Hotel Corp. $325,000. Work will be done by separate contracts. Thomas, Martin & Kirkpatrick, Cunard Bldg., Phila., associated archts.

Conn., Stamford — OFFICE — Stamford Water Co., 271 Main St., taking bid s2 story and basement, 38 x 125 ft., brick and steel, Summer St. $150,000. Butler & Provost, 292 Main St., archts.

N. Y., Central Islip—HOSPITAL—June 3, by State Hospital Comn., Albany, employees home, at Central Islip State Hospital, here. S. W. Jones, Albany, state archt.; adv. E. N.-R. May 14.

N. Y., New York — OFFICE — Parlex Building Corp., c/o York & Sawyer, archts., 100 East 42nd St., will build 35 story office building, 4th Ave. and 32nd St. $18,000,000. Work will be done by separate contracts.

Pa., Altoona—CITY HALL—June 2, by City Council, E. S. Giles, mayor, 3 story and basement, 90 x 120 ft., brick and steel, plain foundation, 13th Ave. $200,000. Hersh & Shollar, Commerce Bldg., archts. Noted Feb. 19.

Pa., Phila.—OFFICE—Penn. Realty Co., 1700 Sansom St., will build, 8 story and basement, 36 x 64 ft., brick and steel plain foundation, 17th and Sansom Sts., $150,000. Work will be done by separate contract. Gravell & Hall, Otis Bldg., archts.

Pa., Pittsburgh — WAREHOUSE — W. J. Butler, Jr., 2nd Ave., taking bids 5 story and basement, brick, steel and concrete, 2nd Ave. $200,000. N. F. Arble, c/o owner, archt.

Md., Baltimore—HOSPITAL—May 18, by J. E. Sperry, archt., Calvert Bldg., 7 story and basement, 155 x 176 ft., brick and steel, plain foundation, Monument and Rutland Aves., for Hebrew Hospital & Asylum Assn., Monument and Rutland Aves. $800,000. Noted Apr. 23.

S. D., Miller—COURT HOUSE—June 3, by P. H. Walsh, aud. Hand Co., 3 story and basement, rein.-con., brick and stone court house. $175,000. J. G. Ralston, Waterloo, Ia., archt. Noted Dec. 25.

Mich., Detroit—HOSPITAL—May 16, by Carey & Esselstyn, archts., 2539 Woodward Ave., 9 story and basement, rein.-con., brick and steel annex, plain foundation, Clinton St., for Pub. Welfare Comn., Clinton and Raynor Sts. $1,000,000.

Mich., Detroit — WAREHOUSE — J. H. Kastler & Co., archts., 523 Detroit Savings Bank Bldg., taking bids and open same about May 22, 2 story, 136 x 356 ft., rein.-con. and brick, plain foundation, Merritt Ave., for Kroger Grocery & Baking Co., Merritt and Junction Aves. $160,000.

Ill., Chicago—APARTMENT—A. Matheson, 1323 Independence Blvd., taking bids 3 story and basement, 106 x 138 ft., brick and stone, plain foundation, Adams and Central Sts. $150,000. Dubin & Eisenberg, 14 West Washington St., engrs.

Ill., Chicago—APARTMENT—P. F. Olson, (archt. and owner), 720 Cass St., taking bids 3 story and basement, 120 x 120 ft., rein.-con., brick and stone, plain foundation, Dakin and Rokeby Sts. $200,000.

Ill., Chicago—APARTMENT—F. A. Anderson, 455 Oakdale Ave., taking bids 3 story and basement, 100 x 165 ft., brick and stone, plain foundation, 4521 North Paulina St. $200,000. C. W. Westerlind, 179 West Washington St., archt.

Ill., Chicago—APARTMENT—F. Alden, 6801 Bennett St., taking bids 3 story and basement, 125 x 160 ft., rein.-con., brick and stone, plain foundation, 7800 Jeffrey St. $200,000.

Ill., Chicago—APARTMENT—R. France, archt., 155 North Clark St., taking bids 3 story and basement, 120 x 198 ft., rein.-con., brick and stone, plain foundation, Marshfield and Howard Sts. $350,000. Owner's name withheld.

Wis., Madison — APARTMENT — Gay Bros., Gay Bldg., taking bids 3 story, 60 x 68 ft., rein.-con., brick and steel, plain foundation, Monroe St. $150,000. Bolch & Pope, Gay Bldg., archts.

Wis., Milwaukee — THEATRE — Dick & Bauer, archts., 811 State St., taking bids and open same about May 18, 2 story and basement, 86 x 88 ft., and 100 x 152 ft., brick, concrete and tile, plain foundation, Wells St., for Mal Investment Co., 376 East Water St. $500,000.

Calif., Los Angeles—BANK and OFFICE—J. and D. Parkinson, archts., Title Insurance Bldg., taking bids 2 story and basement, 80 x 1,230 ft., brick and concrete, South Western Ave., for Security Trust & Savings Bank, 502 South Spring St. Noted Apr. 30.

Calif., Los Angeles—BANK and OFFICE—Pacific Natl. Bank, 652 South Olive St., taking bids 12 story and basement, 95 x 166 ft., terra cotta and marble, 9th and Hill Sts. $1,500,000. Morgan, Walls and Clements, 1124 Van Nuys Bldg., archts.

Calif., Los Angeles—THEATRE, etc.—Bard Theatres, Inc., Pershing Sq. Bldg., taking bids 2 story, 100 x 200 ft., rein.-con. and brick, theatre, store and office building, 1617-21 North Vine St. $175,000. L. A. Smith, 3rd St. and Western Ave., archt.

BIDS RECEIVED

Pa., Pittsburgh — BANK — Bloomfield Trust Co., 4740 Liberty Ave., 3 story and basement, Liberty Ave., from A. and S. Wilson, 541 3rd Ave., $216,000. Noted Mar. 19.

CONTRACTS AWARDED

Mass., Boston—HOME—Mount Pleasant Home, 57 Elm Hill Ave., 3 story and basement, 100,000 sq.ft. floor space, brick and limestone, plain foundation, South Huntington Ave., to Mitchell & Sutherland, Inc., 18 Tremont St. Archts. est. to exceed $150,000. Noted Apr. 30.

Mass., Cambridge (Boston, P. O.)—STORE and OFFICE—Albiani Lunch Co., 150 High St., 2 story and basement, 76 x 140 ft., brick, plain foundation, 522-560 Massachusetts Ave., to Askin & Sullivan, 580 Massachusetts Ave. Archts. est. $170,000. Noted Apr. 30.

Mass., Springfield — APARTMENT — Gagnier & Angers, 327 Main St., will build 4 story and basement, 98 x 110 ft., brick and steel, Maple St., by day labor. $150,000. Private plans.

Mass., Springfield—APARTMENT—M. L. Angers, Eastern Ave., will build 5 story, 85 x 120 ft., brick, School St., by day labor. $160,000. Private plans.

Mass., Springfield—OFFICE—H. Robinson Associates, 5 story brick and steel medical office, Maple St., to E. J. Pinney Co., 274 Main St. Archts est. $175,000.

Conn., Hamden—THEATRE and STORE—C. Schneider, 42 Church St., New Haven, 1 story and basement, 80 x 140 ft., brick and steel, Dixwell Ave., here, to Smirnoff & Beers, 446 Dixwell Ave. Noted Mar. 5.

Conn., Middletown — BUSINESS — J. Poliner & Sons, Main and Ferry Sts., 3 story and basement, brick and steel, Main and Ferry Sts., to D. O'Brien & Sons, Inc., 15 McDonough Pl. Archts. est. $150,000. Noted Mar. 12.

Conn., New Haven — THEATRE and OFFICE—Seventy College Street Corp., 36 West 44th St., New York City, 5 story and basement, brick, steel and stone, plain foundation, College St., to J. D. Harrison Co., 105 West 40th St. Archts. est. $450,000. Noted Feb. 12.

N. Y., Brooklyn — APARTMENT — R. Raboff, c/o Seelig & Finklestein, archts. and engrs.; 44 Court St., will build 4 story, brick, steel and stone, plain foundation, Ocean Ave., by day labor. $250,000.

N. Y., Brooklyn — OFFICE — Bricken Constr. Co., 300 Madison Ave., New York City (owner's and contractors) will build 26 story, brick, steel and stone, plain foundation, Court and Remsen Sts. $5,500,000.

N. Y., New York—APARTMENT HOTEL—E. Ellinger, 21 East 40th St., 15 story,

Buildings—Commercial (Continued)

brick, steel and stone, plain foundation, 56-60 East 40th St., to L. K. Comstock Eng. Co., 20 East 40th St.

N. Y., New York — OFFICE and STADIUM—All subcontracts for the office and stadium at 8th Ave. between 49th and 50th Sts. awarded to James Stewart & Co., 17 East 42nd St., on Feb. 26, for $18,000,000 have been placed with exception of heating and ventilating.

Pa., Allentown — STORE — Zollinger & Harned Co., 611 Hamilton St., 4 story and basement, 86 x 230 ft., brick and steel, plain foundation, 6th and Hamilton Sts., to G. A. Hardner, Allentown. Noted Mar. 26.

Pa., Phila.—APARTMENT—Alden Park Manor Co., c/o the contractor, 9 story and basement, 45 x 172 ft., brick and steel, plain foundation, Wissahickon Ave., and School Lane to K. N. DeVos & Co., Wissahickon & Chelten Aves. Archts. est. $2,500,000.

Pa., Phila.—FIRE HEADQUARTERS—Supt. Pub. Safety, City Hall, 3 story and basement, 107 x 129 ft., rein.-con. and brick, plain foundation 1328 Race St., to M. Melody & Son, 1322 Race St., $169,000. Noted Apr. 23.

Pa., Pittsburgh—SALES and SERVICE—Pierpont Motor Co., 522 Pennsylvania Ave., 5 story, 130 x 196 ft., Baum Blvd., and Moreland St., to Conley & De Mey, 127 North Hiland Ave. Archts. est. $300,000.

Pa., Pittsburgh—STORAGE—Bell Telephone Co. of Pennsylvania, 416 7th Ave., 2 story and basement, 120 x 160 ft., brick, steel and concrete, Spahr and Ravenna Sts., to Conely & De Mey, 127 North Hiland Ave. Archts. est. $150,000.

Pa., York — Y. M. C. A., J. M. Bailey, secy., 2 and 5 story and basement, 370 x 374 ft., brick and steel, plain foundation, Newberry and Phila., Sts., to Wark Co., 1600 Walnut St., Phila. Archts. est. $650,000. Noted Apr. 23.

N. C., Durham—AUDITORIUM—Milburn, Heister & Co., archts., Union Savings Bank Bldg., Wash., D. C., general contract auditorium, here, to Blackford Constr. Co., Durham, for City $209,528. Noted Apr. 23.

N. C., Greensboro — HOTEL — C. O. Yoakum, 17 East 42nd St., New York City, 8 story, 134 x 185 ft., brick, steel and stone, plain foundation, here, to Barras Constr. Corp., 366 Madison Ave., New York City. Archts. est. $1,350,000.

Ill., Belleville—TEMPLE—Bd. Trustees Masonic Lodge St. Clair 24, general contract 2 story and basement, 92 x 120 ft., rein.-con. and brick, rubble foundation, A and Church Sts., to G. Edmondson, 145 South Virginia St. Noted Mar. 26.

Wis., Madison — GARAGE, etc. — N. W. Fox Co., West Doty St., 2 story, 122 x 131 ft., rein.-con., brick and steel, plain foundation, Broom St., to W. Conway, 2105 Jefferson St. Archts. est. $150,000. Noted Apr. 23.

Wis., Milwaukee — APARTMENT — Solidity Realty Co., c/o C. J. Keller & Son, archts., 432 Bway., 3 story and basement, 57 x 120 ft., brick, tile and concrete, plain foundation, Wells St., to Reisinger & Co., 464 Oakland Ave. Archts. est. $200,000. Former contract rescinded. Noted Apr. 30.

Wis., Milwaukee—MAUSOLEUM—Valhalla Cemetery Co., 114 Grand Ave., will build 52 x 150 ft., stone, rein.-con. and marble, plain foundation, Valhalla Cemetery, by day labor. $250,000. G. H. Leipold, 160 Martin St., archt. Noted Mar. 5.

Wis., Milwaukee — STORAGE — G. S. Kingsley, archt., 109 North Dearborn St., Chicago, Ill., 6 story and basement, 115 x 150 x 221 ft., brick and concrete, plain foundation, Prospect Ave., to W. W. Oefleln, 86 Michigan St., for Coakley Bros., 41 2nd St. $200,000. Noted Apr. 23.

Mo., Kansas City—HOTEL—C. O. Jones, 402 Continental Bldg., will build two 7 story and basement, 61 x 70 ft., rein.-con., brick and terra cotta, plain foundations, Armour Blvd. and Charlotte St., by day labor. $150,000 each. P. T. Drotts, 300 Reliance Bldg., archt. Noted Apr. 23.

Mo., St. Louis — HOTEL and APARTMENT—Ambassador Investment Co., c/o S. Koplar, 5759 Waterman St., twin 15 story and basement, 135 x 242 ft., rein.-con., brick, stone and terra cotta, Union Blvd. and Pershing Ave., to Boaz-Kiel Constr. Co., Chouteau Trust Bldg. Archts. est. $1,000,000.

Tex., Quitman—COURT HOUSE—Wood Co., c/o H. V. Puckett, judge, 3 story and basement, rein.-con., brick, steel and stone, to W. M. Rice Constr. Co., 1803 ..orth Market St., Dallas, approximately $150,000.

Calif., Burlingame — EXCHANGE — Pacific Telephone & Telegraph Co., 333 Grant Ave., 3 story, fireproof telephone exchange building, Burlingame Ave., to Monson Bros., 251 Kearny St., $153,000.

Calif., Los Angeles — APARTMENT — California Land & Building Co., 720 Story Bldg., will build 4 story and basement, 75 x 150 ft., brick, South Kenmore Ave., by day labor.

Calif., Los Angeles—HOTEL—H. Feigenbaum, 6225 Afton Pl., 4 story and basement, 100 x 150 ft., rein.-con. and brick, South Bonnie Brae St., by day labor and sub-contracts, under supervision of H. Genser, archt., Hibernian Bldg. $175,000.

Calif., Los Angeles—STORE and LOFT—Harris & Frank, 443 South Spring St., 8 story and basement, 60 x 150 ft., rein.-con., Hill St. between 6th and 7th Sts., to J. V. McNeil Co., 5860 South Park Ave., $280,000.

Calif., Los Angeles—STORE and OFFICE—Film Exchange Co., Knickerbocker Bldg., two 2 story, 120 x 269 ft., and 120 x 120 ft., rein.-con. and brick, South Vermont Ave., to Bavin & Burch, 173 East Jefferson St., $255,000.

Calif., Los Angeles—THEATRE, etc.—West Coast Theatres, Inc., Knickerbocker Bldg., 2 story, 100 x 156 ft., rein.-con. and brick, theatre, store and office building, Vermont Ave., to Bavin-Burch, 173 East Jefferson St., approximately $225,000.

Calif., San Francisco—APARTMENT—A. M. Lai, c/o Fabre & Hildebrand, 110 Sutter St., 4 story and basement, concrete and steel, Washington St. near Kearny St., to G. P. W. Jensen, 320 Market St., approximately $160,000.

Calif., San Francisco—APARTMENT and STORE — H. E. and E. H. Norman, c/o W. F. Gunnison, archt., 57 Post Ave., will build 5 story and basement, rein.-con., Valencia and 20th Sts., by day labor under supervision of architect. $155,000.

Buildings—Educational, Religious

PROPOSED WORK

Mass., Cambridge—GYMNASIUM—Harvard University plans gymnasium, college grounds. To exceed $150,000. $125,000 donated. Engineer not selected.

Mass., Mattapan—SCHOOL—Dorchester & Mattapan Hebrew School, M. E. Schneider, pres., 25 Pemberton Sq., Boston, plans 2 story, brick school, Morton St., here. $150,000. Engineer and architect not selected.

Mass., West Springfield (Springfield P. O.) — SCHOOL — Bd. Selectmen, Town Hall, having plans prepared by M. W. Maloney, 23 Pearl St., Springfield, 2 story, brick and steel grade school, King's Highway. $150,000.

N. Y., New York — CHURCH and RECTORY—Church of Heavenly Rest, 3 East 45th St., had plans prepared by B. Goodhue, 2 West 42nd St., brick, steel and stone, plain foundation, 5th Ave. and 90th St. $2,000,000.

N. Y., St. George—SCHOOL—Bd. Educ., 500 Park Ave., New York City, having plans prepared by W. H. Gompert, archt. and engr., Flatbush Ave. extension and Concord St., Brooklyn, P. S. 42, brick, steel and stone, plain foundation, Augusta Ave., here. $400,000.

Pa., Wayne—HIGH SCHOOL—Bd. Educ., Radner Twp., rejected bids Apr. 30, Junior High School. Will readvertise.

Tenn., Knoxville — CHURCH — Central Methodist Episcopal Church having plans prepared by R. H. Hunt, James Bldg., Chattanooga, and A. B. Bauman, associated archt., Knoxville, church at 3rd Ave. and Morgan St.

N. C., Chapel Hill—COLLEGE—State University plans remodeling and improving old South building (dormitory), on campus, $150,000; also constructing new laboratory and teachers building, $150,000. Atwood & Nash, Chapel Hill, archts.

O., Cincinnati — CHURCH — Avondale Synagogue, 658 Rockdale Ave., having plans prepared by O. Schwartz, 303 Provident Bank Bldg., Avondale Synagogue, 1 story and basement, 90 x 140 ft., rein.-con., brick and stone, plain foundation, Reading Rd. $375,000.

O., Columbus — CHURCH — St. Paul's Episcopal Church, 171 Lexington Ave., having plans prepared by Miller & Reeves, 16 South 3rd St., 2 story and basement, 75 x 120 ft., stone, Garfield Ave. between Broad and Oak Sts.

Ind., Muncie—CHURCH—First Baptist Church having preliminary plans prepared 2 story, about 100 x 150 ft., rein.-con. and brick church. $225,000.

Wis., Madison — CHAPEL — Wisconsin Branch Amer. Luther Assn., W. Graebner, pres., 356 11th Ave., Milwaukee, having plans prepared by H. C. Haeuser, 445 Milwaukee St., Milwaukee, 2 story, brick or stone, plain foundation, State St. $150,000. Noted Nov. 13.

Ia., Marshalltown — SCHOOLS—Election in June $350,000 bonds for one or more schools. Tyrie & Chapman, 1206 2nd Ave. S., Minneapolis, archts. Noted May 7.

Kan., Winfield — CHURCH — Baptist Congregation plans church. $150,000.

Tex., Mineral Wells—SCHOOL—Election soon $150,000 bonds, repairs and addition to schools. T. T. Bouldin, pres. Bd. Educ. Engineer and architect not selected.

Tex., Morton — HIGH SCHOOL — Bd. Educ. having plans prepared by W. R. Kaufman, 107 Monroe St., Amarillo, rein.-con., brick and stone high school. $150,000.

Tex., Weimar—SCHOOL—Bd. Educ., c/o B. B. Holt, mayor, plans school. $150,000. Engineer and architect not selected.

Colo., Denver — SUNDAY SCHOOL — Trinity Methodist Episcopal Church, 1800 Bdway., had plans prepared by W. N. Bowman, Central Savings Bank Bldg., 2 story, 100x125 ft., brick, stone and steel social service and sunday school, 18th St. and Bdway. $150,000.

Ore., Portland — COLLEGE — Benke-Walker Business College Corp. having plans prepared by C. K. Burdsell, Northwest Natl. Bank Bldg., 5 story, 100x100 ft., rein.-con. and timber, rock foundation, 11th and Salmond Sts. $200,000.

Calif., Los Angeles—SCHOOL—School Bd. Educ., soon takes bids 2 story and part basement, 75 x 280 ft., rein.-con. and brick, Gulf Ave., in Wilmington Dist. $150,000. H. Hewitt, 110 West 11th St., archt.

Calif., San Luis Obispo—SCHOOL—Roman Catholic Archbishop, Los Angeles, having plans prepared by E. G. Martin, Citizens Natl. Bank Bldg., Los Angeles, brick school, here. $150,000.

BIDS DESIRED

Me., Brewer—HIGH SCHOOL—City, H. R. Houston, supt. schools, taking bids 2 story and basement, 95 x 165 ft., brick and stone, Clinton and Somerset Sts. $170,000. Butterfield-Guertin Co., 801 Beach St., Manchester, N. H., archts.

Me., Camden—SCHOOL—Town, R. H. Hayden, chn. Camden School Bd. taking bids one and two story and basement, 60 x 145 ft., brick and stone. $150,000. Bunker & Savage, Augusta Trust Bldg., Augusta, archts.

N. H., Keene—DORMITORY—State Bd. Educ. W. A. Stone, purch. agt., State House, Concord, taking bids 3 story and basement 57 x 238 ft., brick dormitory, plain foundation. $250,000. C. R. Whitcher, 814 Elm St., Manchester, archt.

Mass., Acton — HIGH SCHOOL — City, E. Hall, chn. com., taking bids 2 story, 80 x 122 ft., rein.-con. and brick, plain foundation, Massachusetts Ave., "Kellys Corner." To exceed $150,000. J. H. Bickford Co., 6 Beacon St., Boston, archt. Noted Apr. 9.

Mass., Arlington (Br. of Boston) — CHURCH—Arlington First Baptist Church, H. S. Potter, pastor, taking bids 1 story and basement, brick and stone, Massachusetts Ave. and Willow Pl. $150,000. C. B. Dunham, 6 Beacon St., archt.

Mass., Cohasset—SCHOOL and AUDITORIUM—School Bd., E. W. Gammons, chn., com., taking bids 1 story and basement, 125 x 140 ft., brick and stone, Summer and South Main Sts. $150,000. W. H. McLean, 88 Tremont St., Boston, archt. Noted Mar. 26.

Mass., Lawrence — CHURCH — Park St. Methodist Church Building Comn., W. Sutton, pres., taking bids 1 story and basement, brick and stone, Park St. $150,000. J. E. Allen, 283 Essex St., Lawrence, archt.

Mass., Lowell—CHURCH—Greek Orthodox Society, taking bids 1 story and basement, 90 x 95 ft., brick and stone, plain foundation, Clark St. and Hancock Ave. $150,000. Ashton, Huntress & Alter, 479 Essex St., Lawrence, archt. Noted Apr. 16.

Mass., Quincy (Br. of Boston)—CHURCH—Wollaston Congregational Church, 1 W. Sneath, pastor, Wollaston Section, taking bids 1 story, 60 x 100 ft., granite and stone church, plain foundation, here. $150,000. Smith & Walker, 80 Boylston St., Boston, archt.

R. I., Woonsocket — HIGH SCHOOL — May 18, by School Building Com., altering and constructing 2 story and basement

Buildings—Educational, Religious (Cont.)

addition. $150,000. W. F. Fontaine, 285 Main St., archt.

Conn., Bristol—SCHOOL—School Comn. taking bids 2 story and basement, 60 x 100 ft., brick and stone school to contain sewage disposal plant, Pine St. $150,000. H. A. Hayden, 175 Main St., archt. Noted Feb. 12.

Pa., Allentown—LIBRARY—Muhlenberg College, will build 3 story and basement, 140 x 170 ft., limestone and steel, plain foundation, on Campus. Work will be done by separate contract under supervision of Ruhe & Lange, Allentown archts.

Pa., Harrisburg—CHURCH—June 1, by J. A. Dampwolf, archt., Cassatt Bldg., York, 1 story and basement, 82 x 122 ft., brick and granite, plain foundation, 17th and Market Sts., for Memorial Lutheran Church, L. Menges, pastor. $150,000.

Pa., Pittsburgh — SCHOOL — Bd. Educ., Fulton Bldg., taking bids 2 and 3 story and basement, 66 x 175 ft., addition to Gladstone School, Hazelwood Ave. $450,000. P. M. Topp, Jenkins Arcade, archt. Noted Jan. 29.

Md., Hagerstown—SCHOOL—May 24, by A. J. Klinkhart, archt., Hagerstown, 3 story and basement, 206 x 317 ft., brick and steel school, plain foundation, for Bd. Educ. $200,000.

D. C., Wash. — SCHOOL — May 29, by Dist. Comrs., Room 509 Dist. Bldg., alterations to Western High School; adv. E. N.-R. May 14.

O., Dayton — SCHOOL — June 2, by Bd. Educ., C. J. Schmidt, secy., 216 Ludlow Bldg., 2 story and basement, rein.-con. and brick, plain foundation, Troy and Leo Sts. $500,000. Private plans. Noted Apr. 16.

O., Dayton—SCHOOLS—June 2, by Bd. Educ., C. S. Schmidt, secy., 216 Ludlow Bldg., rein.-con. and brick additions to Van Cleve, Franklin and Lincoln Schools, plain foundations. $300,000. Gebhart & Schaeffer, Keith Bldg., archt. on fireproofing job. Architectural Dept. Bd. Educ., Dayton, archts. on additions. Noted Apr. 2.

Mich., Detroit—SCHOOL—McGrath, Dohman & Page, archts., 2231 Park Ave., taking bids 2 story and basement, 100 x 107 ft., rein.-con., brick and steel, plain foundation, Grand River Ave., for St. Marys Parish, Grand River and St. Marys Aves. Noted Apr. 9.

Ill., Chicago—COLLEGE—J. G. Gamble, archt., 367 Lexington Ave., New York City, taking bids group college buildings, 12 story and basement, rein.-con., brick and stone, caisson foundations, Chicago Ave. and Lake Shore Dr., here, for Northwestern University, W. Dycke, bus. mgr., 522 Davis St., Evanston. $10,000,000. Noted Dec. 18.

Ill., Chicago — COMMUNITY — J. C. Llewellyn, archt. and engr.; 38 South Dearborn St., taking bids 3 story and basement, 90 x 125 ft., rein.-con., brick and stone, plain foundation, 6400 Stewart Ave., for Englewood Baptist Church, 6248 Stewart Ave. $150,000.

Tex., Daisetta — HIGH SCHOOL — May 27, by Livesay & Wiedmann, archts., 607 San Jacinto Life Bldg., Beaumont, 3 story, hollow tile and stucco, here, for Bd. Educ. $150,000.

BIDS RECEIVED

N. J., Camden—SCHOOL—Bd. Educ., 3 story and basement, 93 x 159 ft. brick and steel, plain foundation, 36th and Cramer Sts., from G. Bachmann, 19 North 30th St., $187,575. Noted May 7.

N. J., Westfield—SCHOOL—Bd. Educ., 3 story and basement, 172 x 185 ft. brick and steel, plain foundation, Clark St. and Tuttle Parkway, from Thomas, Day & Son, Trenton, $327,004.

Pa., Phila.—SCHOOL—Bd. Educ., general contract 3 story and basement, 95 x 211 ft., Chew St. between Upsal and Sharpnock Sts., from M. Melody & Son, 1322 Race St., $398,900; heating, from W. P. Mackenzie, 1805 Sansom St., $45,997.

Pa., West Chester — MEMORIAL and AUDITORIUM — West Chester Normal School, general contract 1 and 2 story and basement, 64 x 162 ft., brick and steel, plain foundation, on campus, from V. Gondos, Reading, $265,000; heating and ventilating, from Borden & Co., 637 North 19th St., Phila. $28,060. Noted Apr. 30.

CONTRACTS AWARDED

Mass., Holden—HIGH SCHOOL—School Comn., 2 story and basement, rein.-con., brick and stone, plain foundation, to J. Nicholson & Son, 101 Tremont St. Archts. est. $150,000.

Mass., Randolph — HIGH SCHOOL — School Comn., 2 story and basement, brick and stone addition to Stetson High School, Main St., to W. Hanson, 26 Pleasant St., Brockton. Archts. est. $150,000. Noted Apr. 9.

Mass., Rockport—HIGH SCHOOL—Town Bd. Selectmen, 2 story and basement, 112 x 115 ft., brick and stone, on Town Green, near Tarr School, to F. J. Green, 290 Chestnut St., Lynn. Archts. est. $150,000. Noted Apr. 16.

R. I., Providence—CONVENT—Church of Assumption, P. J. Sullivan, pastor, 3 story and basement, brick, Dexter and Potters Ave., to Sullivan Constr. Co., Inc., 357 Westminster Ave. Archts. est. $150,000.

Conn., Hartford — CHURCH — German English Evangelical Lutheran Church, J. Kavasch, pastor, 1 story and basement, 41 x 110 ft., brick and steel, Broad and Madison Sts., to Carlson & Torrell Co., 50 Dwight St., New Britain. Archts. est. $150,000. Noted Apr. 16.

Conn., Stamford—CHURCH—Holy Name of Jesus Parish, F. M. Wladasz, pastor, 1 story and basement, brick and steel, South St., to Harris Constr. Co., 135 Main St. Archts. est. $150,000. Noted Apr. 2.

N. Y., Buffalo—SCHOOL—Bd. Educ., 900 Genesee Bldg., P. S. 72, Lorraine Ave., to Derdenger Constr. Co., Electric Bldg., $358,000. Noted Apr. 9.

Pa., Carrick — CHURCH — Spencer Ave. Methodist Episcopal Congregation, 117 Spencer Ave., 1 story and basement, 73 x 143 ft., brick and hollow tile, Church St. and Spencer Ave. to Golden & Crick, 3512 5th Ave., Pittsburgh. Archts. est. $150,000.

Pa., Charlerol—SCHOOL—School Dist. of Fallowfield Twp. 2 story and basement, in Fallowfield Twp., to Charlerol Lumber Co., Charlerol. Archts. est. $150,000.

Pa., Erie—CHURCH—Lutheran Memorial Church, C. M. Gearhart, 231 10th St., 2 story and basement, 100 x 200 ft., brick and granite, 10th and Sassafras Sts., to Constable Bros., 5th and Sassafras Sts., Archts. est. $300,000. Noted Mar. 20.

Pa., Germantown (Phila. P. O.) — CHURCH—Immaculate Conception Parish, J. M. Higgins, pastor, 1½ story and basement, 75 x 180 ft., brick and stone, plain foundation, Price and Arleigh Sts., to Doyle Co., 1519 Sansom St., Phila. Archts. est. $200,000.

Pa., Sewickley—SCHOOL—Bd. Educ., 3 story and basement, 90 x 240 ft. school, to H. Wimer, Butler, $256,000. Noted Apr. 16.

Mich., Detroit—APARTMENT—Jefferson Ave. Corp., East Jefferson Ave., 18 story and basement, 80 x 120 ft., rein.-con., brick and steel, plain foundation, to Walbridge-Alldinger Co., 2356 Penobscot Bldg.

Ill., Naperville—CHURCH—Sts. Peter & Paul Roman Catholic Congregation, B. Schuette, pastor, 2 story and basement, 100 x 150 ft., concrete, brick and stone, to Gergsted Constr. Co., Moline. Archts. est. $225,000.

Minn., Minneapolis — CHURCH and SCHOOL—Church of St. Thomas, 44th St. and York Ave. S., general contract 2 story and basement, 65 x 136 ft., rein.-con., brick, tile and stone, Upton Ave. S. and 44th St., to E. M. Ganley Co., 2922 Oakland Ave., approximately $175,000. Noted Jan. 29.

Neb., Lincoln—SCHOOL—Bd. Educ., c/o J. G. Ludlow, secy., 2 story and basement grade school, to Olson Constr. Co., 205 Chapin Bldg., $245,000.

Tex., McAllen—COLLEGE—Baptists of Texas, c/o J. M. Carroll, 209 Stratford St., San Antonio, Carroll College, 3 story and basement, rein.-con., brick and stone, administration building and dormitory, etc., plain foundation, to M. Nelson, McAllen, approximately $200,000. Noted Apr. 2.

Tex., Port Neches—HIGH SCHOOL—Bd. Educ., c/o C. C. Hawkins, pres., general contract 2 story and basement, rein.-con., brick and stone, to C. F. Low, 1245 Avenue E. Beaumont, approximately $150,000.

Tex., San Antonio — HOME — Protestant Orphans Home, 3 story and basement, rein.-con., brick and stone, plain foundation, Bandera Rd., to E. Oeffinger, Maverick Bldg., San Antonio, $163,846.

B. C., Vancouver—SCHOOLS—Bd. School Trustees, Hamilton St., 3 rein.-con., brick and tile schools, Gordon School, to Poole Constr. Co., 850 Hastings St. W., $68,037; Hastings School, to Smith Bros. & Wilson Ltd., 850 Hastings St. W., $70,111; and Charles Dickens School, to Adkison & Dill, 325 Howe St., $75,059.

Federal Government Work

PROPOSED WORK

Ark., Knowlton — Levee Work — Mississippi River Comn., Memphis, Tenn., plans levee work near here, also along St. Francis River and revetment on Arkansas River, near Farelly Lake.

Calif., Mare Island—Paving—Spec. 5092—Bureau Yards & Docks, Navy Dept., Wash., D. C., rejected bids Apr. 20, paving causeway here. Will readvertise. Noted May 7.

Calif., Summit—Bridge—U. S. Bureau Pub. Rds., 9 Main St., San Francisco, made plans concrete arch bridge on Auburn-Truckee Highway, near here, Placer Co.

BIDS DESIRED

Me., Ellsworth—Post Office—June 8, by Treas. Dept. at office Supervising Archt., Wash., D. C., post office and custom house, extending driveway and concrete wall.

N. H., Portsmouth—Boilers—June 8, by Treas. Dept. at office Supervising Archt., Wash., D. C., removing present boilers and installing 2 new smokeless heating boilrs in Custom House and Post Office, here; adv. E. N.-R. May 14.

Vt., Burlington — Boilers — June 10, by Treas. Dept. at office Supervising Archt., Wash., D. C., removing present boilers and installing 2 new smokeless fire box heating boilers in Post Office and Custom House; adv. E. N.-R. May 14.

R. I., Melville—Chimney—May 20, by Bureau Yards & Docks, Navy Dept., Wash., D. C., radial brick chimney, here. Noted Apr. 30.

N. Y., Brooklyn—Water Tank—May 20, by Bureau Yards & Docks, Navy Dept., Wash., D. C., elevated steel water tank, and sprinkler system, here.

N. Y., Brooklyn—Wharf Repairs—May 20, by Bureau Yards & Docks, Navy Dept., Wash., D. C., wharf repairs here.

W. Va., Hinton—Post Office—June 4, by Treas. Dept. at office Supervising Archt., Wash., D. C., 1 story, brick post office, here; adv. E. N.-R. May 14.

Fla., Pensacola — Waterworks — Spec. 5054—May 27, by Bureau Yards & Docks, Navy Dept., Wash., D. C., waterworks system, here.

Fla., Tampa—Water Tanks—May 27, by Treas. Dept. at office Supervising Archt., Wash., D. C., new wood water tanks, etc., at U. S. Quarantine Sta., here.

S. C., Paris Island—Monument—May 27, by Bureau Yards & Docks, Navy Dept., Wash., D. C., monument at Charles Fort, here.

Colorado—Road—May 19, by J. W. Johnson, dist. engr., Custom House Bldg., Denver, grading 3.79 mi. Echo Lake-Chicago Creek Natl. Forest Rd., Clear Creek Co.

Calif., San Diego—Buildings, etc.—Spec. 5015—June 10, by Bureau Yards & Docks, Navy Dept., Wash., D. C., 2 ordinance buildings and concrete road, here.

Calif., San Luis Obispo—Post Office—May 22, by Treas. Dept. at office Supervising Archt., Wash., D. C., 62 x 69 ft. post office.

H. T., Pearl—Accessories House—Spec. 5097—July 1, by Bureau Yards & Docks, Navy Dept., Wash., D. C., accessories house, here. Noted Apr. 30.

BIDS RECEIVED

N. Y., Brooklyn—Chimney—Spec. 5077—Bureau Yards & Docks, Navy Dept., Wash., D. C., radial brick chimney, from M. W. Kellogg Co., 90 West St., New York City, $14,556. Noted Apr. 23.

Ind., Newburg—Dam—U. S. Engineer Office, P. O. Box 72, Louisville, Ky., constructing Dam 47, Ohio River, (except wickets, horses and props), from U. G. I. Constr. Co., 1401 Arch St., Phila., Pa., $2,359,218, wickets, horses, props, etc., $193,291. Noted Apr. 9.

Wis., Milwaukee — Steel Barges — U. S. Engineer Office, Apr. 30, 3 steel barges, from Menasha Boiler Wks., Water St., Menasha, $31,500. Noted Apr. 2.

CONTRACTS AWARDED

Mass., Northampton—Recreation—U. S. Veterans Bureau, Room 791 Arlington Bldg., Wash., D. C., recreation buildings, here, to D. A. Sullivan & Sons, Northampton, (1) $107,429 (2) $19,530 (3) $213. Noted Apr. 30.

Miss., Vicksburg — Levee Work — Mississippi River Comn., enlarging Leland Neck Dike, 100,000 cu.yd excav., to W. Owens, Jackson, $0.249 per cu.yd.; Omega New Levee, Upper Tensas Levee Dist., Louisiana, 850,000 cu.yd., excav.; to G. B. Blanks, Vicksburg, $0.214.

Ky., Louisville—Cement—U. S. Engineer Office P. O. Box 72, portland cement for Dams 45, 46, 49, 50 and 52, Lot 1, to Sandusky Cement Co., Engineers Bldg., Cleveland, O., $43,200; Lots 2 and 4, to Universal Portland Cement Co., 210 South La Salle St., Chicago, Ill., $132,400; Lots 3 and 5, to Marquette Cement Mfg. Co.,

Federal Government Work (Continued)

140 South Dearborn St., Chicago, Ill., $176,373. Noted Mar. 12.

Ky., Louisville—Lime—U. S. Engineer Office, P. O. Box 72, hydrated lime for Dams 45, 46, 49, 50 and 52, Lots 1 to 4, to Louisville Cement Co., Speed Bldg., Louisville, $14,310; Lot 5, to Natl. Mortar & Supply Co., Federal Reserve Bldg., Pittsburgh, Pa., $5,082. Noted Mar. 19.

Ark., Russellville — Post Office — Treas. Dept. at office Supervising Archt., Wash., D. C., 1 story post office, to A. Blair, P. O. Box 749, Montgomery, Ala., $38,898. Noted May 7.

Tex., Galveston—Power Line—Spec. 5053—Bureau Yards & Docks, Navy Dept., Wash., D. C., electric power line, here, to O'Connell Electric Co., 857 Hudson Ave., Rochester, N. Y., $6,800 (60 days). Noted May 7.

California — Road — G. E. Goodwin, ch. civil engr. Yosemite Natl. Park, Yosemite, asphaltic concrete paving 7.75 mi. El Portal Rd. and 13 mi. valley roads, Mariposa Co., to V. R. Dennis Constr. Co., 603 Bryte Bldg., Sacramento, $335,825. Noted Apr. 30.

H. T., Oahu Island—Mooring Mast—Spec. 5088—Bureau Yards & Docks, Navy Dept., Wash., D. C., mooring mast, here, to L. R. Smith, 1576 Pensacola St., Honolulu, $29,880 (70 days).

H. T., Pearl Harbor—Paving, etc.—Spec. 5076—Bureau Yards & Docks, Navy Dept., Wash., D. C., concrete paving and runway for seaplane hangar, Ford Island, to L. R. Smith, 1576 Pensacola Ave., Honolulu, $37,800 (210 days). Noted May 7.

Unclassified

PROPOSED WORK

Athletic Field — East Boston (Boston P. O.) **Mass.**—Park Dept. 33 Beacon St., Boston, plans athletic field on land bounded by Orleans, Porter, Lamson and Maverick Sts., here. To exceed $25,000. J. B. Shea, chn.

Tunnel—New York, N. Y.—Bd. Estimate & Apportionment, Room 16 City Hall, received no bids May 8, constructing Parts 1, 2, 3 and 4, New York Section of Narrows Tunnel. Will readvertise. Noted Mar. 5.

Icing Station and Yard Extension — Raleigh, N. C.—Sea Board Air Line R.R., 107 Plume St., Norfolk, Va., plans expanding terminals and constructing an icing station to cover 4 acres land, here. W. D. Faucette, ch. engr.

Abolishment of Grade Crossings—Cleveland, O.—City and Erie R.R. Co., Scranton Ave., plan abolishing grade crossings at Harvard and Miles Aves., East 93rd, 116th, 124th and 131st Sts., $250,000. R. Hoffman, city engr.

Abolishment of Grade Crossings—Cleveland, O.—City and Wheeling & Lake Erie R.R., 626 Huron Rd. S. E., W. L. Rohboch, ch. engr., plan abolishing grading crossings at Miles Ave., East 93rd and 102nd Sts. To exceed $150,000. R. Hoffman, City Hall, city engr.

Swimming Pool, etc.—Centralia, Mo.—Made plans swimming pool, athletic field and park improvements. Benham Eng. Co., 512 Gumbel Bldg., Kansas City, consult. engrs.

Dikes—St. Louis, Mo.—Water Dept. made preliminary plans and soon takes bids constructing Dikes 24, 25 and 26 at Howards Bend in Missouri River. $75,000. E. E. Wall, City Hall, comr. Noted Feb. 5, under "Waterworks."

Subways—Houston, Tex.—Voted $250,000 bonds, subways under Southern Pacific Railway tracks on Heights Blvd. and on Houston Ave. J. C. McVey, city engr. Noted Mar. 5.

Transmission Line—Oklahoma—City of Carter rejected bids transmission line from here to Elk City; will readvertise. $25,000. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs. Noted Apr. 23.

Stadium and Athletic Field — Norman, Okla. — University of Oklahoma having plans prepared by Layton, Hicks & Forsythe, Braniff Bldg., new 1 story stadium and athletic field, on campus. Noted Feb. 19.

Bulkhead—Tacoma, Wash.—See "Streets and Roads."

Park Improvement — Long Beach, Calif.—City Park Dept. having plans prepared landscape work on Ocean Blvd. incl. walks concrete walls, etc. $75,000. F. H. Downs, supt.

Ice Skating Pavilion—Los Angeles, Calif.—Interests represented by J. O. Allen, Inc., 709 Commercial Exchange Bldg., plans 310 x 140 ft. ice skating pavilion, Vermont Ave.

Town Site — Oakland, Calif. — E. I. de Laviaga, 315 14th St., making preliminary plans for business buildings, garage, church, bank, post office, stores, etc. in Orinda section. To exceed $150,000. H. Murdock, 425 Kearney St., San Francisco, archt.

Breakwater — Leamington, Ont. — Dept. Pub. Wks., Parliament Bldg., Ottawa, plans breakwater south of here, on Lake Erie. J. A. Stevens, c/o Dept. Pub. Wks., Custom House, London, engr.

Power Line — Port Colborne, Ont. — Ontario Hydro Comn., London, A. Beck, chn., preparing plans power lines to supply Wainfleet Twp. and summer colony along lake shore. $35,000.

Grain Elevator—New Westminster, B. C.—New Westminster Harbor comrs., having plans prepared 400,000 bu. rein.-con. grain elevator, at Port Mann, near here. $300,000. C. D. Howe & Co., Whalen Blk., Port Arthur, Ont., engrs.

Grain Elevator — Halifax, N. S. — Dominion Government, Ottawa, Ont., plans grain elevator, here, incl. 64 x 66 ft. working house, 42 x 92 ft. track shed, and 61 x 216 ft. storage house. H. M. Cameron, ch. engr. Dept. Pub. Wks., Ottawa.

BIDS DESIRED

Borings—New York—May 22, by Bd. Transportation, 49 Lafayette St., making borings along Cranberry, Clinton, Schermerhorn, Fulton, Jay, Smith and 9th Sts., Lafayette, Gates, Throop, Union, Manhattan, Prospect, Church and Gravesend Aves., Storage Yard site, Ocean Parkway, Prospect Park and private property in Brooklyn Boro; also along Van Alst, Nott and Jackson Aves., in Queens Boro, Agreement "DU."

Subway—Long Island City, N. Y.—May 15, by Bd. Transportation, 49 Lafayette St., New York City, additions and alterations to Queensboro Subway, near Queens Blvd. and Skillman Ave., Routes 36 and 37, Sects. 1 and 3, here.

Bulkhead, etc.—New York, N. Y.—May 18, by M. Cosgrove, comr. Docks, Pier A, removing existing old structures, constructing new bulkhead platforms and walls, dredging, rip rap for bulkhead platform, East 135th and 140th Sts.

Subway, etc.—New York, N. Y.—May 22, by Bd. Transportation, 49 Lafayette St., tracks, etc., for portion of 148th St. and Lenox Ave. Yard.

Greenhouses—Richmond Hill, N. Y.—May 21, by Park Bd., Dept. Parks, 64th St. and 5th Ave., New York City, 2 greenhouses in Forest Park, here.

Plumbing and Heating System — Vineland, N. J.—May 26, by Bd. Institutions & Agencies, Trenton, plumbing and heating in buildings here, for Hospital for Feeble Minded, here. $35,000. A. B. Mills, State Office Bldg., Trenton, state archt.

Lighting System—Lewistown, Ill.—May 16, by City Clerk, street lighting system on West Lincoln Ave., Main, North Adams Sts., incl. 6,200 ft. single conductor No. 8, 2,500 volt steel armored lead covered cable, twenty-five 2 x 2 x 3 ft. concrete foundations, 25 c.i. poles not less than 250 lb. each, 25 boulevard globes and 25 Mazda lamps, etc. F. M. Connolly, 432-33 Peoples Trust & Savings Bank Bldg., Galesburg, consult. engrs. Noted Apr. 2.

Stadium—Madison, Wis.—May 22, W. R. Winckler, city clk., rein.-con. and steel stadium at Stevens Athletic Field. $40,000. Claude & Starck, Badgeranne St., engr. Noted May 7.

Electric Distribution System—Winthrop, Minn.—May 25, by City, A. L. Malm, clk., electric distribution and street lighting system, pumping equipment, etc. $25,000.

Crusher Rollers — Inspiration, Ariz. — Purchasing Agent Anaconda Copper Co., 25 Bway., New York City, N. Y., taking bids four 72 in. crusher rolls for leaching plant, here, for Inspiration Consolidated Copper Co. $130,000. G. H. Booth, engr. for owner.

Sub-tunnel—Los Angeles, Calif.—Tunnels Transportation Co., 426 California Bldg., taking bids 1,500 ft. tunnel, 8½ x 16 ft. between Hill and Figueroa Sts., under existing tunnel at 2nd St., 13,000 cu.yds. excav., 5,000 cu.yds. rein.-con., 32,000 sq.ft. concrete base with asphalt surface pavement, etc. $250,000. Private plans.

BIDS RECEIVED

Borings—New York—Bd. Transportation, 49 Lafayette St., New York City, May 8, land and river borings in East River from Wall St. (Manhattan) to Cranberry St. (Brooklyn) Route 101, from Rutgers St. (Manhattan) to Jay St., (Brooklyn) Route 103, and from 53rd St. (Manhattan) across Welfare Island to Nott Ave. (Queens) Route 104, Newtown Creek, at Van Alst Ave., (Queens) Route 107 E, from Pennsylvania Drilling Co., 1812 West Carson St., Pittsburgh, Pa., $44,970. Noted Apr. 30.

Subway—New York, N. Y.—Bd. Transportation, 49 Lafayette St., May 7, constructing Sect. 6 B, of Route 78, along and under West 173rd St., from Morante & Raymond, 42 Bway., $151,900. Noted Apr. 23.

CONTRACTS AWARDED

Grain Elevator — Phila., Pa. — S. T. Wagner, engr., Reading Terminal, 73 x 145 x 160 ft., rein.-con., plain foundation, 20th and Pennsylvania Aves., to Fegles Constr. Co. Ltd., 706 1st Ave., Minneapolis, Minn. for Phila. & Reading, Reading Terminal. Noted Feb. 26.

Flood Protection—Peru, Ind.—Bd. Comrs. Peru Flood Control Dist., levee and ditch work, to Walb Constr. Co., La Grange, and Matthews Bros., Erie, Ill.; rein.-con. retaining wall, to Minnix & Clark, Flora. This corrects reports in Nov. 6 and May 7 issues.

Foundation, etc. — Cedar Rapids, Ia. — Merchants Natl. Bank, 3rd Ave., foundation and caisson work for 14 story and basement, 75 x 139 ft., rein.-con., brick, steel and stone bank and office building, 3rd Ave. and 3rd St., to Pike & Cook, 416 South 5th St., Minneapolis, Minn. Archts. total est. $800,000. Noted Mar. 13 under "Buildings—Commercial."

Park Improvements—Ft. Worth, Tex.—Park Bd., c/o G. C. Clark, supt., improvements to Burk Burnett Park, to L. L. Winans, 2127 Heaton St., $49,820. Engrs. est. $50,000. Noted Feb. 26.

Subway—Dallas, Tex.—Texas & Pacific R.R. Co., Texas & Pacific Bldg., 800 ft. concrete subway under freight yards at McKenzie St., to Southwell & Abbott, 605 East 2nd St., Ft. Worth, approximately $50,000.

Street Lighting System—Newport Beach, Calif.—Ornamental street lighting system on Coast Blvd. between 38th St. and 45th Sts. to H. M. House, San Bernardino. $30,177.

Street Lighting System—San Bernardino, Calif.—City, ornamental street lighting system on Arrowhead Ave., to Finley-Hunt Co., San Bernardino, $48,987. Noted Feb. 19.

Power Lines — Ontario — Ontario Hydro Power Comn., 190 University Ave., Toronto, will build 35 mi. power lines in Millgrove, Carlisle, Freelton and Rockton, by day labor under direction of engineers. $70,000.

Scows—Ottawa, Ont.—Dept. Pub. Wks., Parliament Bldg., constructing 2 steel scows, to Dominion Bridge Co., Beaver Hall Hill, Montreal, Que., $30,000.

Materials

BIDS DESIRED

Road Oil—Burlington, Wis.—May 22, by A. Zechel, city clk., 2 or 3 carloads road oil.

Asphaltic Road Oil—Milwaukee, Wis.—May 21, by Central Bd. Purchases, City Hall, 200,000 gal. each, asphaltic and medium light road oil.

Washed Sand and Stone—Oshkosh, Wis.—May 18, by F. C. Steiner, highway comr. Winnebago Co., approximately 4,000 cu.yd. washed sand and 8,000 cu.yd. washed stone.

Sand and Gravel — Minneapolis, Minn.—May 20, by F. S. Gram, city purch. agt., 9,000 cu.yd. sand, and 12,245 cu.yd. gravel. N. W. Elsberg, city engr.

Paving Materials—St. Paul, Minn.—May 19, by H. W. Austin, city purch. agt., 8,800 bbls. Portland cement, 6,800 cu.yd. crushed rock or gravel, 380 cu.yd. crushed rock or gravel for curb, 4,290 cu.yd. concrete sand, 490 tons asphalt, 861 tons limestone dust, etc., for paving West 7th St. between Albion St. and Snelling Bridge; 725 sq.yd. 3 in. vertical fibre brick, 2,520 bbls. Portland cement, 1,850 cu.yd. crushed rock or gravel, 130 tons asphalt, 228 tons limestone dust, etc., for paving Edgecumbe Rd. between Randolph and Scheffer Sts. G. M. Shepard, city engr.

BIDS RECEIVED

Road Oil and Binder—Milwaukee, Wis.—Central Bd. Purchases Apr. 27, from Duro Asphalt Products Co., 133 Washington St., Chicago, Ill., Spec. 1, 200,000 gal. special asphaltic road oil at $0.0839 per gal. and Spec. 2, 200,000 gal. medium light road surfacing oil $0.0571; from Amer. Tar Products Co., 2083 La Salle St., Chicago, Ill., Spec. 3, and 4, 50,000 gal. bituminous road surfacing material light and medium tar at $0.123 per gal., Spec. 5A and 5B, 150,000 gal. bituminous road binder, heavy and light tar at $0.123 per gal.